

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VII 901 NORTH 5TH STREET KANSAS CITY, KANSAS 66101

DEC 1 n 1999

MEMORANDUM

REC'D

SUBJECT:

Transmittal of Inspection Report -RCRA

DEC 13 1999

FROM:

Betty Berry, Branch Chief M. For

RESP

ARCM/ENSV

TO:

Jo Ann Heiman, Branch Manager

RESP/ARTD

This memorandum transmits the following inspection report conducted by the Environmental Services Division:

Type: CEI	Inspection Date: 10/28/99					
Facility Name: Sunshine Transportation System, Inc.	Facility I.D. Number: IAD000670414					
Address: 2200 South Avenue Council Bluffs, Iowa 51501	Activity Number:					
Facility Activity: Used oil transporter.	SIC Code: 2992					
NOV/NOPF Issued? No Potential SNC? No						
Environmental Justice: Was the inspection conducted in a potential EJ area? No						
Multimedia: Screening checklist completed? No (Or: Level C multimedia inspection c	ompleted involving Air & RCRA.) No					
Small Business Regulatory Enforcement Fairness Act (SBREFA): Yes						
Preliminary Findings: No violations noted.						
Comments:						

Attachments





REPORT OF RCRA COMPLIANCE INSPECTION

At: Sunshine Transportation System, Inc. 2200 South Avenue
Council Bluffs, Iowa 51501
Tel: (712) 322-4038
EPA ID No.: IAD000670414

On: October 28, 1999

By: U.S. Environmental Protection Agency Region VII Environmental Services Division

INTRODUCTION

At the request of The Air, RCRA and Toxics Division (ARTD), a RCRA Compliance Evaluation Inspection (CEI) was performed at Sunshine Transportation System, Inc., in Council Bluffs, Iowa, on October 28, 1999. The CEI was conducted under the authority of Section 3007 of the Resource Conservation and Recovery Act (RCRA), as amended. This narrative report and attachments present the results of the CEI.

PARTICIPANTS

Sunshine Transportation Systems, Inc.(Sunshine)
Mr. Stephen J. McCollister, President, McCollister & Company
Mr. Michael L. Pyle, Vice President/Controller, McCollister & Company

U. S. Environmental Protection Agency (EPA) Mr. Richard N. McKiddy, Civil Investigator

INSPECTION PROCEDURE

Upon arrival at McCollister & Company, I contacted Mr. Michael L. Pyle, the Vice President and Controller. I presented my identification to Mr. Pyle and advised him that I was at the facility to conduct a CEI of Sunshine Transportation System, Inc., which reported as a transporter of used oil with offices at the address. Mr. Pyle confirmed that Sunshine Transportation operates from the location and is a separate corporation owned by the same shareholders in McCollister & Company. Mr. Pyle also stated that he operates Sunshine Transportation System from his office in McCollister & Company. I discussed the confidentiality of business information with Mr. Pyle. Mr. Pyle did not request confidentiality of business information and signed the Notice of Confidentiality to so indicate (Attachment 1). At the conclusion of the inspection, Mr. Pyle was presented with a Receipt for Documents and Samples, which he signed acknowledging receipt of the original (Attachment 2).

The CEI consisted of a discussion of operations, wastes generated, waste management practices, a review of pertinent documents and a visual inspection of the facility.

FACILITY DESCRIPTION

Sunshine Transportation System, Inc., is a transporter and marketer of used oil. Mr. Michael Pyle, Vice President and Controller of McCollister & Company, located at the same address, told me that Sunshine is owned by McCollister & Company, but is a separate entity. The same share holders of McCollister & Company also own Sunshine.

Sunshine has one contract employee. The contract employee operates a specially-equipped truck that picks up used oil and spent oil filters in several states and delivers new lubrication products to customers as well.

The one employee works a five day week.

Sunshine was inspected on November 28, 1994. The inspection was a flood screening inspection. The facility has not had a CEI prior to the current inspection.

FINDINGS AND OBSERVATIONS

My pre-inspection directions were to see if the facility is complying with generator and used oil transporter requirements.

Sunshine Transportation System, Inc., is owned as a separate corporation by McCollister & Company.

McCollister & Company is a compounder of petroleum and lubrication products, such as motor oils, gear oils and other lubricants. According to a company brochure, McCollister is a Midwest agricultural lubricant business. The company employs approximately 47 employees, operates eight tractors and 72 trailers at six company owned or operated sites. McCollister delivers product to a 10 state, 250,000 square mile service area. The McCollister firm has 1.1 million gallons of diked storage, with dedicated tanks for major product lines. McCollister serves approximately 2,500 customers. The company's production facilities and offices occupy three buildings and 53,000 square feet. A company brochure, attached to this report (Attachment 3), describes McCollister & Company in more detail.

McCollister & Company applied for an EPA Pollution Prevention By and For Small Business Grant Program in 1990. The company was one of seventeen small businesses awarded grants. McCollister's grant was called "Total Lubricant Control System for Recycling Used Lubricants".

Sunshine Transportation System, Inc., was formed after McCollister and UPS (United Parcel Service) agreed to manage waste oils in Missouri and Iowa.

McCollister also visited UPS facilities in Nebraska, Kansas and South Dakota and conducted surveys of the waste oil handling procedures.

McCollister modified an existing waste oil transport vehicle to accommodate the simultaneous delivery of new lubricants and the collection of waste oil. To ensure that contamination of new product and waste product did not occur, the resulting vehicle was compartmentalized with dual pumps, meters, hoses and assemblies. The modified transport vehicle has four compartments: two 2,500 gallon compartments; one 2,200 gallon compartment (dedicated to waste oil); and one 1,300 gallon compartment. Each compartment is modified to have its own segregated load/unload valve and adaptor.

Currently, according to Mr. Pyle, Sunshine operates one diesel tractor with a 53 foot trailer, compartmentalized for new petroleum product, used oil, and spent antifreeze. Spent oil filters are also collected and contained in open-top drums.

The truck departs on Monday morning from the Council Bluffs (McCollister) facility and, typically, makes sixteen to eighteen stops at customer facilities, returning late Thursday or Friday. The facilities are in a five state region and all are UPS facilities.

Mr. Pyle told me that the used oil is not removed from the truck until final delivery. No storage of used oil occurs at the McCollister facility. It remains on the truck and is delivered to Searle Petroleum, 1701 South 3rd Street, Council Bluffs, Iowa (EPA ID number IAD984591032).

Spent filters also remain on the truck and are taken to Filter Recycling, 315 Lake Street, Cherokee, Iowa (EPA ID number IAR000004457).

Mr. Pyle told me that Searle uses the used oil for production of asphalt and possibly markets some of it to other burners of used oil.

Mr. Stephen J. McCollister, President of McCollister & Company, provided me with copies of letters and other documents pertaining to the EPA grant and the method of handling used oil collected from its customers (Attachment 4)...

Used oil, spent antifreeze and spent oil filter collection is documented on Non Hazardous Manifests. I obtained a copy of a blank McCollister & Company manifest (Attachment 5).

McCollister sends an invoice, with several manifests, attached to Searle for payment. Searle purchases the used oil for fifteen cents a gallon. Mr. McCollister provided me with an invoice copy dated October 20, 1999, accompanied by a weigh ticket copy and copies of fourteen manifests for a shipment of used oil to Searle Petroleum. The copies are attached to this report (Attachment 6).

Mr. Pyle told me that each load of used oil taken to Searle is screened for halogens at the

destination and analyzed before it is accepted by Searle. If the used oil would exceed 1,000 ppm of halogens, it would be rejected and sent to a hazardous waste facility. This has never happened. If the oil is accepted it is put into a 200,00 gallon tank. When the tank is full, the tank's contents is checked by a laboratory to be certified as "spec oil". The spec oil is then mixed with virgin #6 fuel oil for sale to high Btu industrial burners.

This procedure is documented in a letter from Searle Petroleum Company to McCollister & Company, dated July 12, 1993. A copy of the letter was obtained and is attached to this report (Attachment 7).

McCollister (Sunshine) keeps detailed records, by district, for its UPS customers. I obtained a copy of a 1997 UPS Dakota District (North and South Dakota) report. The report contains the names of each of the UPS facilities serviced during each month of 1997, the total new lubricants delivered, the total used oil picked up and the total spent filters (Crushed (CR) and Uncrushed (UN)) in gallons, picked up. The reports are done each quarter and the fourth quarter report shows the totals for the year.

The randomly selected report, described above, is attached to this report (Attachment 8).

Sunshine is not a generator of used oil. The truck used to pick up used oil and spent filters and deliver new lubrication products is contract serviced. Sunshine is not regulated under Subpart C of Part 279 (standards for Generators of Used Oil).

Sunshine is not a processor or re-refiner of used oil and therefore not subject to Subpart F of Part 279.

Sunshine is not a burner of used oil and is not subject to Subpart G of Part 279.

Sunshine does not use used oil as a dust depressant and does not dispose of used oil other than by recycling, therefore is not subject to Subpart I of Part 279.

Sunshine is subject to regulation as a transporter (Subpart E of Part 279). Sunshine appears to be in compliance with the provisions of 40 CFR 279.43(a) (1 through 5).

Sunshine is not a generator of hazardous waste.

Richard N. McKiddy, Civil Investigator NOWCC/SEE Date: Dec 7, 1898

ATTACHMENTS

- 1 EPA Confidentiality Notice (1 page)
- 2 Receipt for Documents and Samples (1 page)

ATTACHMENTS (Continued - Sunshine Transportation System, Inc.)

- 3 Company Brochure McCollister & Company (Parent of Sunshine Transportation (3 pages)
- 4 Correspondence from EPA to McCollister & Co., re: Grant (7 pages)
- 5 Non-Hazardous Manifest (Blank) McCollister & Company (6 pages)
- 6 Invoice/Weigh Tickets/Manifests (17 pages)
- 7 Letter Searle Petroleum Company to McCollister & C Used Oil Testing Procedure (1 page)
- 8 Annual Report of Used Oil/Filters 1997 (4 pages)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY CONFIDENTIALITY NOTICE 10-78-9

Facility Name
Lunghine nausportation
Facility Address
2200 South bear Council bluff In 51502
Inspector (print)
KICHARDO. OF EXIDOU KIMUM N-MZELDEY
U.S.EPA, Region VII, ENSV Division, 25-Function Road, Kansas City, KS 66115 Date 90/ N_57457_ 66/64 09 28/999
The United States Environmental Protection Agency (EPA) is obligated, under the Freedom of Information Act, to release information collected during inspections to persons who submit requests for that information. The Freedom of Information Act does, however, have provisions that allow EPA to withhold certain confidential business information from public disclosure. To claim protection for information gathered during this inspection you must request that the information be held CONFIDENTIAL and substantiate your claim in writing by demonstrating that the information meets the requirements in 40 CFR 2, Subpart B. The following criteria in Subpart B must be met:
1. Your company has taken measures to protect the confidentiality of the information, and it intends to continue to take such measures.
2. No statute specifically requires disclosure of the information.
3. Disclosure of the information would cause substantial harm to your company's competitive position.
Information that you claim confidential will be held as such pending a determination of applicability by EPA.
I have received this Notice and DO NOT want to make a claim of confidentiality at this time.
Facility Representative Provided Notice (print) Signature/Date
Michael L. Pyle nficked X/gle 10/28/99
*,
I have received this Notice and DO want to make a claim of confidentiality.
Facility Representative Provided Notice (print) Signature/Date
Information for which confidential treatment is requested:

ATTACHMENT /

(Rev: 4/15/98)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY RECEIPT FOR DOCUMENTS AND SAMPLES

Facility Name
Junshine Transportation
Facility Address
2200 South leve Council Bluffs In 57802
Documents Collected? YES (list below) NO
Samples Collected? YES (list below) NO Split Samples: YES NO
Documents/Samples were: 1)Received no charge 2)Borrowed 3)Purchased
Amount Paid: \$ Method: Cash Voucher To Be Billed
The documents and samples described below were collected in connection with the administration and enforcement of the applicable statute under which the information is obtained.
Receipt for the document(s) and/or sample(s) described below is hereby acknowledged:
- Non Hangardous Waste Manifet Mª Collister & Coagrany
(6 page - multi-color NCR-Form).
2 - Impores/manifold for period in argust Sapt + Oct. 1999
for and oil and post fille (17 pages)
2 - Non Hayardow Waste Manifol (Blank) (6 pages
multil-exton NCR Form).
4 - Monthly Jannual Desage for one of Sumpine Transportation
UPS facility customers (1997). (3 pages)
5 - Teller, US FRA TO MSCollector x & It & sametime in 1990 -
Ref. Grant for Bilot anogram (6 pages)
6 - Letter - Scarce letrocum & Std. 7/12/97, Res:
Testing of und oil received from Durahine ((Mase)
7- Brochure ma collecter 200 - overein of company
(3 pages).
Facility Representative (print) Signature/Date
Michael L. Rile Michael 1/26 10/28/99
Inspector (print) Signature/Date Signature/Date Signature/Date
U.S.EPA, Region VII, ENSV Division, 25 Funston Road, Kansas City, KS 66115.
(rev:1/20/93)

ATTACHMENT 2

LUBES-1

-GREASES

Lubricants B Haritand Haritand



Steve, (left) and John S. McCollister, in the Iowa company's quality control laboratory.

BY DAVID MCFALL

erosene is mostly a memory now on the bountiful farms of Iowa. But in the early '30s, when John M. McCollister and his friends organized a company to distribute kerosene to other farmers and attempt to reduce its very high cost, it was an essential product. When kerosene tank cars arrived, farmers lined up for blocks to buy it.

Adding agricultural lubricants to the kerosene business was a natural—the first of a half-dozen redirections over 60 years. Today, five McCollister family members are still involved in the business. John Y., son of the founder, is chairman; his brother Howard is senior advisor; and grandsons John S., Steve and Bruce are president, executive v.p. and regional manager.

Almost from its beginning McCollister & Co. has been a factor in the Midwest agricultural lubricant business. Today it has 47 employees, eight tractors and 72 trailers located at six company

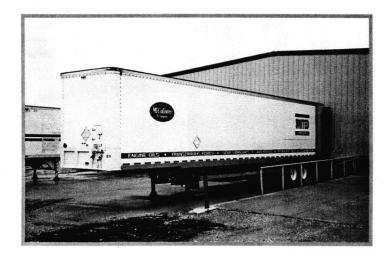
owned or operated sites, delivering product to every corner of its 250,000 square mile, 10 state service area. It has 1.1 million gallons of diked storage, with dedicated tanks for major product lines. Its production facilities and offices occupy three buildings and 53,000 square feet.

"With 2,500 customers, our base is wide both in geographic area and focus," Steve McCollister told *Lubes'n'Greases*. "No single customer represents more than 3 or 4 percent of our annual volume of nearly 4 million gallons."

And John S. McCollister pointed out, "Our company has changed a lot over the years. We know we can't stop now because if you don't change you die quickly. We know how to change and don't fear it."

CHANGE IS A CONSTANT

Early on, after entering the grease market, the company developed the Comet grease-gun filler, revolutionizing the use of grease on Midwestern farms. It was



one of the first companies in the region to compound heavy-duty lubricants, and later the first to market a multigrade motor oil, an SAE 5W-20 in the winter of 1950.

Staying with its roots, it became one of the first Midwest companies to develop and offer custom fluid for all tractor transmissions and hydraulic systems. By the mid-'50s the company was selling about 8 million pounds of lubricating greases and a third of a million gallons of fluid lubricants; at the decade's end annual fluid lubricant sales had increased to the 800,000 gallon range.

In the '60s and '70s, the private brand business became more important, leading McCollister & Co. to purchase Hyde Oil in Pipestone, Minn. Custom packaging operations supplemented McCollister's own brands, while the grease business was sold.

A million-dollar barrel reconditioning plant (for 15-, 30- and 55-gallon steel containers) opened in 1981 and was upgraded a decade later. Now among the larger container recyclers in the Midwest, it reconditions 850 barrels daily, 20 percent for its own use and the rest for customers.

But you can't win 'em all. Until the 1960s, John S. McCollister noted, "Sixty percent of our business was selling our product to farm implement dealers. In just two years we lost nearly all of that business." It dried up like the dust bowl because, as John Y. pointed out, "OEMs [original equipment manufacturers] started conditioning warranties on the use of partnumbered productsincluding lubricants." The issue of "genuine oils" today continues to haunt lube marketers in the heavy-duty and agricultural arenas.

But there were far more winners than losers as the turbulent '90s came into view.

KEEP ON INNOVATING

Howard McCollister said, "One of the greatest overall

advancements for our size business is affordable technical capability. What only the majors could install 20 years ago we can now—almost—match in our lab." That's thanks to a quartermillion dollar upgrade in 1995 and an expanded battery of tests that can be done on-site.

For manufacturing, the plant's quality control program is based on samples taken from the production line at multiple points and analyzed immediately in the laboratory. Any variation from strict production standards is promptly corrected.

Howard (left) and John Y. McCollister, sons of John M., the company founder (above left).



PROUD TO SERVE

John Y. McCollister served three terms in the U.S. House of Representatives and narrowly lost a race for the U.S. Senate in 1976. His sons keep the tradition alive in the Omaha/Council Bluffs area: John S. is an elected member of the Utilities District Board; Steve an elected official of the County Board of Commissioners.

Howard served as ninth president (from 1964–66) of the Independent Oil Compounders Assn., predecessor to today's Independent Lubricant Manufacturers Association. John S. has served on ILMA's board and chaired its government affairs committee. Steve was president of the group from 1982 to 1984.

Steve is particularly proud of his role in helping to turn ILMA from primarily a social focus towards professionalism, by creating industry committees and bolstering its government affairs activities. ILMA today

is an influential trade

highly regarded programs, while retaining its ability to bring lube blenders and their suppliers together.

LUBES'N'GREASES

ATT 3-2

According to Steve McCollister, "We've upgraded our software to get 100 percent batch control and lot traceability."

But that may not be enough, he acknowledged. "While we're not ISO certified, we've already begun the process to go beyond ISO, toward the QS certification process which the auto companies use. We've already undertaken half a dozen steps to be in line with QS. We've got QS capability and if our customers call for it we'll become certified. To date only two customers have brought it up."

The environmental needs of lube users have also provided opportunity, as shown by McCollister's "closed loop recovery," "fluid management" or, as the company prefers, "TLS" for Total Lubricant Service. Early in the decade the company contracted with a large national fleet company to deliver product and pick up waste oil at its terminals in a seven-state area. Later the contract was expanded to include used filters. "We also do [clients'] recordkeeping and their waste oil manifests," said John Y.

THE MILLENNIUM

So where is the company now? John S. stated, "Our margin percentages are unchanged from 25 years ago, but like the majors, which are going through a series of buyouts and joint ventures, we see a future need for larger volumes and relationships with other firms, either by purchase or joint ventures."

Steve added, "We've modified our facilities to prepare for growth. We are ready to run our production line for two or even three shifts."

But where will this growth come from in a stagnating or declining industry? "We expect to do more private label packaging," said Steve. "Six months ago we started packaging for the Case-IH label."

The word "commodity" is a nasty word to some in the lubricants industry. But John Y. suggested, "Brand acceptance is not as vital a factor in marketing as it used to be." And Steve offers an example: "Years ago Mobil had an office in Omaha [across the Missouri River from Council Bluffs] with nine commercial and industrial salesmen.

They're gone now.

Sophisticated—meaning larger—buyers know that we are just as capable of meeting industry specifications as anyone else."

John S. added, "We've kept some of our customers for 25 years. We work at it."

Finally, the haunting question for any family business is whether it will survive generational change. McCollister & Co. has been healthy through its first, second and third generations, and the fourth waits just offstage. There's plenty of positive history, and history has a way of repeating itself.

HIGH TECH ON THE FARM

rom 30,000 feet up, they look like frisbees strewn haphazardly by giants across the length and breadth of the Great Plains: center pivot irrigation sites, the primary and by far the most efficient irrigation technique used nationwide. Tapping into one of the great natural resources of this country-the Oglala aquifer, an ocean of pure water under the Midwest from the Dakotas to Texas center pivot irrigation opened this resource to farmers and made many of them wealthy in the process. John Y. McCollister declares, "Center pivot irrigation increased the value of Nebraska farmland from \$200 to \$2,000 an acre."



Based on Global Positioning System coordinates and computer controlled equipment, the center pivot rig rolls at adjustable speeds around a fixed center pivot and discharges either water, herbicides or fertilizer in any quantity or blend, adjusted every 100 square feet.

McCollister & Co. tapped into the center pivot irrigation market to develop a unique business which displayed both the company's rural focus as well as its innovativeness. John Y. explains, "There are five or six center pivot irrigation OEMs. We went to each of them and worked out a plan to develop and supply both factory fill, service fill and aftermarket lubricants for the equipment. Now we are, by far, the largest supplier of lubricants for this market. It represents about 8 percent of our business."

-By David McFall





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

:)

THE ADMINISTRATOR

Mr. Stephen McCollister McCollister and Company 2200 South Avenue P.O. Box 587 Council Bluffs, Iowa 51502

Dear Mr. McCollister:

I am pleased to learn that your Research and Development proposal for pollution prevention by and for small businesses was one of the 17 selected for funding. The selection of your project is especially noteworthy in that 176 proposals were submitted, many of which were of considerable value and merit.

Preventing pollution makes good sense financially and environmentally; and recycling and reuse helps preserve our Nation's natural resources for generations to come. I personally appreciate your contribution toward these objectives.

I believe that there are thousands of ingenious small business people just waiting to demonstrate a new concept or idea to protect our environment. EPA's Pollution Prevention By and For Small Business Program could well be one vehicle to bring to light many of the pollution prevention concepts and recycling-type programs that can be demonstrated and documented for widespread use in large segments of the small business community. As you know this program is designed to stimulate these discoveries and promote their use through the cooperation and assistance of national trade associations and organizations that work with our Small Business Ombudsman on regulatory concerns affecting the small business community.

I will be following your progress during the coming year and wish you every success in your endeavor.

Sincerely yours

William K. Reilly

Printed on Recycled Paper

ATTACHMENT 4



Center for Hazardous Materials Research

University of Pittsburgh Applied Research Center 320 William Pitt Way - Pittsburgh, PA 15238 Fax (412) 826-5552 (412) 826-5320

November 26, 1990

Mr. Stephen McCollister McCollister and Company 2200 South Avenue, P.O. Box 587 Council Bluffs, IA 51502

Dear Mr. McCollister:

Congratulations! On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to inform you that your application for EPA's Pollution Prevention By and For Small Business Grant Program has been chosen to receive the full funding requested. We were impressed with the quality of your proposal and are eager to see your ideas developed and implemented. A complete listing of the 17 grant recipients selected for the program is enclosed for your information.

As Administrator for the grant program, the Center for Hazardous Materials Research (CHMR) at the University of Pittsburgh will soon be sending you a financial information package that will provide further details about the terms and conditions of the grant and how funds will be made available during the project. Our objective is to have all grants in place by mid-January, 1991, although the precise timing will be dependent on CHMR's receipt of funds from EPA for the program.

For your information, a total of 176 applications from across the country were submitted for the grant program. Initially, all applications were reviewed and evaluated by staff members from CHMR and EPA's Risk Reduction Engineering Laboratory. Then an Overview Committee chaired by Ms. Karen V. Brown, EPA's Asbestos and Small Business Ombudsman, and consisting of members of these organizations, as well as EPA's Office of Small and Disadvantaged Business Utilization and the American Institute for Pollution Prevention, conducted additional reviews and made the final funding selections.

If you need further information concerning your application prior to receiving the financial package, please call 1-800-334-CHMR and ask to speak with Angel Martin or me.

Again, our warmest congratulations on being chosen for the Pollution Prevention Grant Program. We look forward to watching the progress of your project.

Sincerely,

Edgar Berkey, Ph.D. Program Administrator

far Berke

WPPAM/74 C40-571 Enclosure

cc: Karen Brown, EPA Ken Stone, EPA

A subsidiary of the University of Pittsburgh Trust

1-1-1-1



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF ASBESTOS AND SMALL BUSINESS OMBUDSMAN

CONTACT: KAREN V. BROWN

(703) 557-1938

FOR IMMEDIATE RELEASE

EPA ANNOUNCES RECIPIENTS OF 1991 SMALL BUSINESS POLLUTION PREVENTION GRANTS

WASHINGTON, DC, Nov. 26 - The United States Environmental Protection Agency's Office of Small and Disadvantaged Business Utilization (OSDBU) has announced the recipients for EPA's 1991 Pollution Prevention By and For Small Business Grant Program. This competitive program awards small businesses up to \$25,000 each to assist them in developing and demonstrating new pollution prevention technologies. A total of \$400,000 is available for projects to be conducted during 1991, and 17 awards have been made.

In making the announcement, Karen V. Brown, EPA's Asbestos and Small Business Ombudsman, stated, "The projects chosen for funding represent a wide range of key small business industries, and they offer the potential for demonstrating some truly innovative ideas. We feel these projects can have far-reaching benefits in furthering EPA's goal of promoting pollution prevention."

A total of 176 applications for the grant program were submitted from throughout the U.S. to the Center for Hazardous Materials Research (CHMR) at the University of Pittsburgh, who administers the program for EPA. The applications were evaluated and recommended for funding by staff members from CHMR, EPA's Risk Reduction Engineering Laboratory, OSDBU, and the American Institute for Pollution Prevention.

The 17 recipients for the 1991 Pollution Prevention By and For Small Business Grant Program and their project are given below. Applications for a second round of funding on this program will be available in mid-1991. Further information can be obtained from CHMR at 1-800-334-CHMR.

Briggs Nursery, Inc. Olympia, Washington

Reducing Resource Inputs and Eliminating Waste Discharge in a Greenhouse and Nursery

Hydro-Separation Systems, Inc. Fort Worth, Texas

Hydrocyclone Technology to Reduce Plant Pathogens in Irrigation Water

Ink Engineering Services Columbus, Ohio

Reclamation Facility for Waste Lithographic Ink

Interconnect Systems, Inc. Simi Valley, California

Lewis Engineering Services Verona, Pennsylvania

McCollister and Company Council Bluffs, Iowa

Miniature Casting Corporation Cranston, Rhode Island

Omnific International Limited Poughkeepsie, New York

Orbel Corporation
Phillipsburg, New Jersey

PAC Recycling Maryville, Tennessee

Pier-Sol, Inc. Baltimore, Maryland

STAC Corporation San Marino, California

Technical Support Services Chester, Maryland

The PROTEUS Corporation Albuquerque, New Mexico

The 3R Corporation Pittsburgh, Pennsylvania

Utility Development Corporation Livingston, New Jersey

Walton Agri-Service Upper Sandusky, Ohio Electrically Conductive Adhesives for Replacing Tin-Lead Solder Joints in Electronic Systems

Recovery of Copper, Chromium, and Arsenic from Wood Preserving Waste Streams

Total Lubricant Control System for Recycling Used Lubricants

Membrane Technology for Pollution Prevention in a Zinc Casting Tubbing Operation

The AlRosol Dispenser as a Substitute For Household Aerosol Dispensers

Eliminating Waste Discharge in a Reel-to-Reel Electroplating Shop

Recycling Valuable Components from Used Television Cable

Recovery of Dissolved Metals from Electropolish Baths to Increase Bath Life and Reduce Sludge Production

"Coldcut Process" to Eliminate Use of Hazardous Machining Fluids

Pre-Charged Vacuum Liquid Extractor and Containerization Device

Reducing Vehicle Exhaust Gas Emissions and Increasing Fuel Economy

Recycling Ink Wastes from Packaging Gravure Printing

Recycling Radiation-Curable Organic Waste by Casting Decorative and Structural Objects

In-Field, Onboard Dry Granular Herbicide Impregnation

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Total Lubricant Control is a systematic approach to the collection, consolidation, testing, and recycling of used lubricants.

TOTAL LUBRICANT CONTROL SYSTEM FOR RECYCLING USED LUBRICANTS

McCOLLISTER AND COMPANY COUNCIL BLUFFS, IA STEPHEN McCOLLISTER, PRINCIPAL INVESTIGATOR

PROJECT DESCRIPTION

McCollister and Company's Total Lubricant Control (TLC) provides a systematic approach to the collection, consolidation, testing, and recycling of used lubricants. Voluntary used oil recycling has been hindered as a result of increased scrutiny and concern for quality control to protect against improper mixing of oil with other wastes. The TLC approach provides McCollister and Company with control over the lubricants which ensures ample supply of high quality feedstock for used oil re-refiners and other beneficial reusers.

Outline of Process

A strength of the TLC plan is its ability to be measured and evaluated. The quantities of used lubricants that are recycled or reused can be documented to the gallon.

This control stems from a comprehensive collection system which includes:

- 1. Source Control correct management of the used lubricants by the generator at the generator's facility.
- 2. Collection collecting from the generator, transporting, and testing of the lubricants.
- 3. Disposition marketing the used lubricants to beneficial reusers and recyclers.
- 4. Recordkeeping tracking of used lubricants according to the preceding points.

Unique Process Features

The systematic nature of the TLC plan minimizes contamination concerns and the inconsistencies often associated with used oil collection.

APPLICATION

The TLC system has eliminated the uncontrolled disposal of waste oil by over 40 vendors.

The primary customer for McCollister's demonstration is United Parcel Service (UPS). The waste lubricants received are a mix of engine oils, transmission fluids, gear oils, and hydraulic fluids. UPS's prior waste lubricant management system was through numerous contractors, thus offering little control over the disposition of the lubricants.

A pre-testing program for each site was performed. This identified any contamination problems that could then be remedied with the cooperation of site management. Waste lubricant testing was fairly extensive at some sites and included analysis for total halogens, flash point, water content, and heavy metals. It was also found that some waste oil collection tanks were outside, most were not locked, and some were open to collect rain water.

Based on this information, McCollister designed a route which served 25 facilities in 6 states, with tanks ranging from 200 - 3,000 gallons..

Collected oil was delivered to a fuel blending facility which performed further tests on the oil to determine its suitability for use as a fuel. No oil was found to contain contaminant levels which would render it hazardous, and thus inappropriate for this end-use.

PERFORMANCE RESULTS

During the demonstration project, McCollister and Company collected 26,979 gallons of waste lubricants for beneficial reuse. The Company believes that the collection of waste lubricants is most efficient when done at the time that new product is delivered to the customer.

Product Quality Variance/Conditions That Impact Performance

The quality of waste oil is variable. While McCollister could prevent contamination through training and control, the amount of (BS&W?) is variable according to location, weather, types of vehicles serviced, and local management.

In the UPS program, no waste oil was contaminated with hazardous constituents or materials that made it unusable. While rocks, water, metal washers, and dirt in the oil storage tanks cause great difficulty in handling the waste oil, they did not render the batch "off spec" or hazardous. The value of the batch was simply reduced.

An additional concern which needs to be addressed is the handling of used oil filters. Many large lube oil customers expect the waste oil vendor to collect filters, as well as the waste oil. One possibility to facilitate filter collection is to add a storage box to the undercarriage of the transport to store the plastic bags full of used, drained oil filters. However, state laws and regulations regarding used oil filters are inconsistent and complex. Minnesota, for example, considers crushed filters a hazardous waste, but not the oil. Missouri, conversely, considers waste oil hazardous, but not the filters.

Data Analysis

Cost/Benefit Analysis

While the technology for reuse and recycling is readily available, or at least known, the major limitation beneficial reuse of waste lubricants is cost. McCollister's collection cost for of waste lubricants for fuel blending is over \$.33 per gallon; this includes payment to the customer, transportation, supplies, testing, delivery to the fuel blender, and administration.

NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

	UNIFORM	1. Generator's US EPA ID No		Manifest Document No.	2. Page					
_	MANIFEST 1. Generator's Name and Mailing Address	$K_1S_1D_19_18_11_17$	1016161215		of	_	2			
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	14. Special Handling instructions and Additional Information					18				
	15. GENERATOR'S CERTIFICATION: I hereby declare that the	o contents of this consignment	are fully and accurately	described above by	nronor objection	name and	are elecci	find montred		
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INVOICE

INVOICE NUMBER

INVOICE DATE

10/20/1999

PAGE

1

2200 South Avenue • P.O. Box 587 Council Bluffs, Iowa 51502 • (712) 322-4038

SOLD TO:

SHIP TO:

SEARLE PETROLEUM 1701 SOUTH 3RD BOX A, SEC. 3 COUNCIL BLUFFS

IA 51502

SEARLE PETROLEUM 1701 SOUTH 3RD BOX A, SEC. 3 COUNCIL BLUFFS

IA 51502

53-9465	CUSTOMER PO NUMBER SHIP VIA Mc Truck			WAREHOUSE LOCATION: CO BLUFFS WHSE					
t 30 days	PAYMENT TERMS		21HOWARD MG GC	ALES REP	· C	JSTOMER NUMBE 7388			
ORDER NUMBER CONTRACT N 94097	UMBER ORDER DATE	DATE SHIPPED 10/18/1999		FOB					
QUANTITY	ITEM	DESCRIP	TION	UNIT PRICE	ONIT MULT, U/M	AMOUNT			
		ROSS WT = 25420 MPTY WT = 12620 FT WT = 13800\7	7.28#/GL - 1845 GAL						
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Thank you for your order

STATEMENT WILL BE SENT

Of all the people associated with this company, the customer is the most important.

John Y. McCollister

MACHMENTS



McCollister & Co.

DATE 8/6/99 SOLD ORDER NO.

CONSIGNED TO:

SEARLE PETROLEUM

COUNCIL BLUFFS, IA 51503

8/6/99 ROCKY 8/6/99 9463-9465 GROSS WEIGH ORDERED HM PRODUCT CODE SPEC OIL 1845 1845 GROSS WT = 26420EMPTY WT = 12620= 13800 + 7.48 #/g1 = 1845 GALLONS

TOTAL WEIGHT

G & A Resource Management Co.	10
P. O. Box A	09463
Council Bluffs, Iowa 51502-2057	
Company: McCOLLISTER	iguo (
Tractor #: OLD BLU	
Trailer #:	
Commodity: USED OIL	
Remarks:	
Tomarko.	
Fee:	SCALE 1 009630 LB
(Initial)Weight Ticket #: 09463	SCALE 2 016740 LB
Re-Weigh Ticket #:	SCALE 3 000000 LB.
	TOTALS 025 120 LB (2000) 748 = 18450
Driver ON OFF	SCALE 1 009680 LB (3800 + 7.48 = 1845ge
	Court state
Signature: Staff Milliam	
	SCALE 3 000000 LB
	TOTAL 026350 LB
G & A Resource Management Co.	*
P. O. Box A	
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Company: // COLLISTER Tractor #: OLD BLU Trailer #: Commodity: MT Remarks:	SCALE 1 006600 LB SCALE 2 006020 LB
Tractor #: OLD BLV Trailer #: Commodity: MT Remarks: Fee: Initial Weight Ticket #: 69463	SCALE 1 006600 LB SCALE 2 006020 LB SCALE 3 000000 LB

NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

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	7. Transporter 2 Company Name	'IN			. US EPA			4114
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	9. Designated Facility Name and Site Address Searle	e Petroleum	☐ Filter Recycl	ing	Π -		¥	
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	14. Special Handling instructions and Additional Information							
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NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

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NON HAZARDOUS MANIFEST



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NON HAZARDOUS MANIFEST



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NON HAZARDOUS MANIFEST



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NON HAZARDOUS MANIFEST



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+	19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.				
Y	Printed/Typed Name Signature			Month Day	Year
	11,cky STILL Phiky Still			110115	199

NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

	UNIFORM MANIFEST 1. Generator's US EPA ID No. Manifest 2. Page of		8		×			
	1. Generator's Name and Mailing Address							
	4. Generator's Phone (5. Transporter 1 Company Name 1. Generator's Phone (1. Generator's Phone (-			
	4. Generator's Phone () 5. Transporter 1 Company Name	6. US EPA II	D. Number					
	SUNSHINE TRANSPORTATION			0 ₁ 6 ₁ 7 ₁ 0 ₁ 4	14			
	7. Transporter 2 Company Name	8. US EPA II						
	9. Designated Facility Name and Site Address Searle Petroleum Filter Recycling				Щ			
	1701 South 3rd Street 315 Lake Street Council Bluffs, IA 51503 Cherokee, IA 51012 EPA #IAD984591032 EPA #IAR000004457	· -						
	10. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	11. Conta Number	Type	12. Total Quantity	13. Unit Wt./Vol.			
	a.\	: E			-			
GEN	SED ENGINE OIL			185	GL			
Ε	76.							
R A T	USED OIL FILTERS - CRUSHED / UNCRUSHED - SCRAP METAL		D _I R		GL			
O R								
	USED ANTIFREEZE							
		1.1		1 1 1 1	i l			
	USED OIL MANAGEMENT IS DEFINED IN THE CODE OF FEDERAL REGULATIONS IN THE FOLLOWING SECTIONS:							
	40 CFR, PART 260 TO 268, 270-271, 273 AND 279							
	14. Special Handling instructions and Additional Information			8	6			
	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shippi labeled, and are in all respects in proper condition for transport by highway according international and national government regulations and applicable	ng name and state regulation	are classi	fied, packed, marked	, and			
	\mathcal{M}							
	Printed/Typed Name Signature		2	Month Day	Year			
T	16. Transporter 1 Acknowledgement of Receipt of Materials			Date	Щ			
EAZO	Printed/Typed Name RANDY HOMAN Signature Signature	ي		Month Day	Year			
POR	17. Transporter 2 Acknowledgement of Receipt of Materials	7		Date	12151			
TRANSPORTER	Printed/Typed Name Signature	90000000		Month Day	Year			
	18. Discrepancy Indication Space			4	¥			
FAC	•				3 H			
ACILITY	19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.							
Y	Printed/Typed Name Signature Signature			Month Day	Year			
_	Ricky STIll Keety Stell			11095	117			



THIS DOCUMENT MUST BE USED FOR ALL SHIPMENTS **NON HAZARDOUS MANIFEST** Please print or type (Form designed for use on elite (12-pitch typewriter.) 1. Generator's US EPA ID No. Manifest 2. Page **UNIFORM MANIFEST** of 1. Generator's Name and Mailing Address UPS Brainer 4. Generator's Phone (5. Transporter 1 Company Name SUNSHINE TRANSPORTATION I₁A₁D₁0₁0₁0₁6₁7₁0₁4₁1₁4 8. US EPA ID Number 7. Transporter 2 Company Name 9. Designated Facility Name and Site Address ☐ Filter Recycling Searle Petroleum 315 Lake Street 1701 South 3rd Street Cherokee, IA 51012 Council Bluffs, IA 51503 EPA #IAD984591032 EPA #IAR000004457 10. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 11. Containers 13. Total Unit Quantity GLØSED ENGINE OIL USED OIL FILTERS - CRUSHED / UNCRUSHED - SCRAP METAL $D_{I}R$ GL Ó USED ANTIFREEZE USED OIL MANAGEMENT IS DEFINED IN THE CODE OF FEDERAL REGULATIONS IN THE FOLLOWING SECTIONS: 40 CFR, PART 260 TO 268, 270-271, 273 AND 279 14. Special Handling instructions and Additional Information 15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according international and national government regulations and applicable state regulations. Month Day Year Date Day Signature Month Year AZSPORTER Printed/Typed Name Signature Month Year Printed/Typed Name 18. Discrepancy Indication Space

19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18. Printed/Typed Name

Ricky STILL

NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

	- UNIFORM MANIFEST 1. Generator's US EPA ID No. Manifest Document No. 2. Page — of	-			
1	1. Consector's Name and Mailing Address				$\overline{}$
	The deficient of straine and maining Address			v :	10
Ш	4. Generator's Phone () Wadena MN 5. Transporter 1 Company Name				
H	4. Generator's Phone () 5. Transporter 1 Company Name	6. US EPA	ID Numbe	r	
	SUNSHINE TRANSPORTATION	I_1A_1D	0,0,0	0 ₁ 6 ₁ 7 ₁ 0 ₁ 4	114
	7. Transporter 2 Company Name	8. US EPA	ID Numbe	r . :	
	9. Designated Facility Name and Site Address Searle Petroleum Filter Recycling	\Box			
	1701 South 3rd Street 315 Lake Street	U .			
	Council Bluffs, IA 51503 Cherokee, IA 51012 EPA #IAD984591032 EPA #IAR000004457				
	10. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	11. Cont	ainers	12. Total	13. Unit
		Number	Туре	Quantity	Wt./Vol.
1	a				ŀ
G	OSED ENGINE OIL			55	GL
GEZER	b.				
R	USED OIL FILTERS - CRUSHED / UNCRUSHED - SCRAP METAL	1,,	D _I R	1111	GL
A T O	c.				
OR-	USED ANTIFREEZE	١.,	١. ١		1
	d.		† '-		
	USED OIL MANAGEMENT IS DEFINED IN THE CODE OF FEDERAL REGULATIONS IN THE FOLLOWING S	ECTIONS	<u> </u>		4
	40 CFR, PART 260 TO 268, 270-271, 273 AND 279				
	The state of the s				
	14. Special Handling instructions and Additional Information				192
	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipp	ing name and	are classi	fied, packed, marked	l, and
	labeled, and are in all respects in proper condition for transport by highway according international and national government regulations and applicable	state regulat	tions.		
	Printed/Typed Name Bokker			Month Day	Year 9 9
TR	16. Transporter 1 Acknowledgement of Receipt of Materials			Date	1/16
ANNP	Printed/Typed Name RANDY HOMAN Signature			Month Day	Year
0	17. Transporter 2 Acknowledgement of Peccipt of Materials			Date	עקו
RTER	Printed/Typed Name Signature			Month Day	Year
R	· · · · · · · · · · · · · · · · · · ·				
	18. Discrepancy Indication Space				
F	18. Discrepancy Indication Space				81
FAC-	18. Discrepancy Indication Space				
40-1-					æ
40-L	18. Discrepancy Indication Space 19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18. Printed/Typed Name			Month Day	Year

NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

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ı							
	1. Generator's Name and Mailing Address 4. Generator's Phone () 5. Transporter 1 Company Name						
	4. Generator's Phone ()						
		6. US EPA II					
	SUNSHINE TRANSPORTATION 7. Transporter 2 Company Name		A D 0 0 0 6 7 0 4 1 4				
	7. Transporter 2 Company Name	1 1 1 1		1111			
	9. Designated Facility Name and Site Address Searle Petroleum Filter Recycling						
	7 1701 South 3rd Street 315 Lake Street Council Bluffs, IA 51503 Cherokee, IA 51012	-			.		
	EPA #IAD984591032 EPA #IAR000004457	_					
	10. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	11. Conta		12. Total	13. Unit		
	a. /	Number	Туре	Quantity	Wt./Vol.		
1				20			
G E Z	OSED ENGINE OIL		. 1		GL		
N/ E	b.						
E R A	USED OIL FILTERS - CRUSHED / UNCRUSHED - SCRAP METAL	.	$D_{l}R$		GL		
A T O	c.						
R	USED ANTIFREEZE	١	١, ١	1 1 1 1			
	d.						
	USED OIL MANAGEMENT IS DEFINED IN THE CODE OF FEDERAL REGULATIONS IN THE FOLLOWING S	L L ECTIONS:	Lii				
	40 CFR, PART 260 TO 268, 270-271, 273 AND 279						
	14. Special Handling instructions and Additional Information						
	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipp	ng name and	are classif	fied, packed, marked	and		
	labeled, and are in all respects in proper condition for transport by highway according international and national government regulations and applicable	state regulation	ons.				
	Printed/Typed Name Signature		В	Month Day	Year		
T	16. Transporter 1 Acknowledgement of Receipt of Materials			Date	4		
TRAZOPORTER	Printed/Typed Name RANDY HOMAN Signature			Month Day	Year		
SOP	17. Transporter 2 Acknowledgement of Receipt of Materials	4		OT Ly Date	X		
R	Printed/Typed Name Signature	+		Month Day	Year		
E R	GRANT Alley			19/12/8	197		
	18. Discrepancy Indication Space						
F A C	w						
L							
TY	19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.						
'	Printed/Typed Name Signature O. K. ST.0	9		Month Day	Year		
_	Ricky STILL Micky Still			110111			

NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

- 1	UNIFORM	1. Generator's US EPA ID No.	Manifest Document No. 2. Pa	The second secon	
\dashv	MANIFEST 1. Generator's Name and Mailing Address	K S D P 8 4 P 6 7			,
$\ $		UPS-CENTERCODE			p a
П		LENEXA TRAILER 16200 W. 110	SHOP		
	4. Generator's Phone (913–)541–3715	LENEXA, KS. 66	219		
	5. Transporter 1 Company Name		7217	6. US EPA ID N	
	SUNSHINE TRANSPORTATION Transporter 2 Company Name	DN		8. US EPA ID N	0 0 6 7 0 4 1 4
$\ $	7. Transporter 2 Company Name			1 1 1 1	
1	9. Designated Facility Name and Site Address Sear	lo Potroloum	☐ Filter Recycling		
	1701	South 3rd Street	315 Lake Street		
		ncil Bluffs, IA 51503 #IAD984591032	Cherokee, IA 51012 EPA #IAR000004457		
	10. US DOT Description (Including Proper Shipping Name, I		2171 ### (100000 1107	11. Containe	rs 12. 13.
	To. Go Do F Booon, plant (ministering 1 1 specification)	,	10	Number 7	Total Unit ype Quantity Wt./Vol.
	a.				
1		**************************************			
G E N	USED ENGINE OIL		<u> </u>		1100 GL
N E	b.				
R	USED OIL FILTERS - CRUSH	IED / UNCRUSHED	- SCRAP METAL) R
A T	С.				
O R	LICED ANTIEDEEZE				
	USED ANTIFREEZE				
	u.				
	USED OIL MANAGEMENT IS DEFINED IN	THE CODE OF FEDERAL R	EGULATIONS IN THE FOLLOW	ING SECTIONS:	
	40 CFR, PART 260 TO 268, 270-271, 273 A	ND 279			
		3			
	14. Special Handling instructions and Additional Information				
	*				
1		the state of the same of the s		or chicaing name and are	alongified packed marked and
	15. GENERATOR'S CERTIFICATION: I hereby declare that labeled, and are in all respects in proper condition for trans	port by highway according international	and national government regulations and ap	pplicable state regulations	S.
	Printed/Typed Name	Sia	nature		Month Day Year
	E.L. Mitchel	(El Mutch	ell	1100599
T	16. Transporter 1 Acknowledgement of Receipt of Materials				Date
A	Printed/Typed Name RANDY HOMAN	Sig	nature		Month Day Year
NSPO	17. Transporter 2 Acknowledgement of Receipt of Materials				Date
R	Printed/Typed Name		gnature		Month Day Year
E R	v				
	18. Discrepancy Indication Space				
F	2				
. ~					
A C I					
1	19 Designated Facility Owner or Operator: Certification of	receipt of materials covered by this ma	nifest except as noted in item 18.		
	19. Designated Facility Owner or Operator: Certification of Printed/Typed Name A16H1N		nifest except as noted in item 18.		Month Day Year

NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

	NIFORM	1. Generator's OS EFA ID No.	1	Document No.	2. Page of				
1. Generator's Name and	ANIFEST Mailing Address	CI EI SI QI GI	2007 52 571					•	
1. Generator 3 Name and	, maining ridures	UPS-CENTER						21	
	•	2700 N. WE							
	605-339-3347	SIOUX FALL	s, SD 5/10	15					(2)
Generator's Phone (Transporter 1 Compar						6. US EPA II	D Number		
		NI			1	LA.D	0.0.0	0 ₁ 6 ₁ 7 ₁ 0 ₁ 4	1.4
7. Transporter 2 Compar	TRANSPORTATIO	ZIN				8. US EPA I	D Number	0 0 7 10 1	
7. Transporter 2 Compai	ly Name						1 1		1
O. Designated Easility No	eme and Site Address			Describes					
9. Designated Facility No	ame and Site Address XX Sear	e Petroleum		Recycling ake Street		-			
		South 3rd Street		kee, IA 510)12				
		#IAD984591032		#IAR00000		_			
10 US DOT Description	(Including Proper Shipping Name, H	lazard Class, and ID Number)				11. Conta	iners	12.	13.
-						Number	Туре	Total Quantity	Unit Wt./Vol.
a.									
								•	1 1
USED ENG	NE OIL					1		200	GL
E DSED LING									
E									
USED OIL F	ILTERS - CRUSH	ED / UNCRUSHE	ED - SCRAF	METAL			$D_{l}R$	1 1 1 1	GL
T c.				8					
O R									1 - 1
USED ANTI	FREEZE								
d.									
	*								1 1
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USED OIL MANA	GEMENT IS DEFINED IN	THE CODE OF FEDERAL	. REGULATIONS	IN THE FOL	LOWING S	ECHONS	•		İ
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14 Special Handling in	structions and Additional Information								
14. Opecial Hariding in								×	
			are fully and accurately	described above	by proper shipp	ing name and	are class	ified packed market	d. and
15. GENERATOR'S CE labeled, and are in all re	RTIFICATION: I hereby declare that espects in proper condition for trans	ort by highway according internati	onal and national gove	mment regulation	s and applicable	state regular	tions.	, parison manual	
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					-	, 1			
Printed Typed Name	n C		Signature	10	Xall	15		Month Day	
Dennis			u	un y	OTLA	(IVE		Date	
T 16. Transporter 1 Acknow	owledgement of Receipt of Materials	· · · · · · · · · · · · · · · · · · ·	Cianatura					Month Day	
A Printed/Typed Name	PANDY HOMAN		Signature	21	م سر	0		1 A DC	5191
P 17 Transporter 2 Ackn	owledgement of Receipt of Materials	rious	LV 4	-, -	~ / Ce	~/		Date	9 F
R Printed/Typed Name			Signature				8	Month Day	/ Year
T 16. Transporter 1 Acknown Printed/Typed Name 17. Transporter 2 Acknown Printed/Typed Name E R									11
18. Discrepancy Indica	tion Space								
F A C		,							
C									
L L	0-46-4	receipt of materials accessed by the	manifest avoort as or	ated in item 19					
Y	Owner or Operator: Certification of	receipt of materials covered by this	Signature	/				Month Da	y Year
Printed/Typed Name	Ricky STU	(1	//	X	St. Ol	7		11.011	51919
	161019 011		100	My .	- WY			11010	-1-1-

NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

	UNIFORM 1. Generator's US EPA ID No. Manifest Document No. 2. Page MANIFEST C E S Q G		
1	1. Generator's Name and Mailing Address UPS-CENTERCODE 53-05002		
	AIRPORT-#3 WEATHERLANE SIOUX FALLS, S.D. 57105		
	(05 001 /155		
	4. Generator's Phone (6U5¬331−4155 5. Transporter 1 Company Name	6. US EPA ID	
	SUNSHINE TRANSPORTATION		0,0,0,6,7,0,4,1,4
	7. Transporter 2 Company Name	8. US EPA ID	Number
	9. Designated Facility Name and Site Address XX Searle Petroleum		
	1701 South 3rd Street 315 Lake Street	<u> </u>	
	Council Bluffs, IA 51503 Cherokee, IA 51012 EPA #IAD984591032 EPA #IAR000004457		
	10. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	11. Contain	ers 12. 13. Total Unit
		Number	Type Quantity Wt./Vol.
	a		
G	USED ENGINE OIL	1	1 55 GL
GEN	b.		
E R	USED OIL FILTERS - CRUSHED / UNCRUSHED - SCRAP METAL	l Ir	
ATOR	c.	<u> </u>	
O R	LIGED ANTIEDEEZE		
1	USED ANTIFREEZE	+	
	THE POLICE OF TH	FOTIONS	
	USED OIL MANAGEMENT IS DEFINED IN THE CODE OF FEDERAL REGULATIONS IN THE FOLLOWING S	ECTIONS:	
	40 CFR, PART 260 TO 268, 270-271, 273 AND 279		
	14. Special Handling instructions and Additional Information		
	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipp labeled, and are in all respects in proper condition for transport by highway according international and national government regulations and applicable	oing name and ar e state regulation	re classified, packed, marked, and as.
	Printed/Typed Name Signature		Month Day Year
	Sean Eischen Stante		110 05 99
TR	16. Transporter 1 Acknowledgement of Receipt of Materials		Date Month Day Year
ANSP	Printed/Typed Name RANDY HOMAN Signature	, J	7 10185199
10	17. Transporter 2 Acknowledgement of pecelpt of Materials		Date VL
RTER	Printed/Typed Name / Signature	•	Month Day Year
F	18. Discrepancy Indication Space		
F			
A			
1	19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.		
Y	Printed/Typed Name Signature		Month Day Year
	Ricky STIII Ricky Ste	<i>eo</i>	11.011.519.9
	V 2		J.

ATT 6-1/16 Run

NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

	- UNIFORM MANIFEST	1. Generator's US EPA ID No. M N D 9 8 1 5	Docu	iment No.	Page				
+	Generator's Name and Mailing Address			14.					
Ш	,	820-12th	RCODE 56-5621				W.		
Ш	i v	GRANITE FA		41					
	4. Generator's Phone (612-564-3355				6. US EPA	D Numbe	·r		
	5. Transporter 1 Company Name SUNSHINE TRANSPORTATIO	MI						1.4	
$\ \cdot\ $	7. Transporter 2 Company Name								
	9. Designated Facility Name and Site Address Searl	e Petroleum	☐ Filter Rec		-				
	1701	South 3rd Street cil Bluffs, IA 51503	315 Lake Cherokee	Street e, IA 51012					
Ш		#IAD984591032		R00000445					
	10. US DOT Description (Including Proper Shipping Name, H	lazard Class, and ID Number)			11. Conta	ainers	12. Total	13. Unit	
					Number	Туре	Quantity	Wt./Vol.	
	a.							<u> </u>	
G	USED ENGINE OIL				111	1	55	GL	
G E N	b.								
E R		ED / LINCOLICI		CTAL		D.D.	я		
A	USED OIL FILTERS - CRUSH	ED / UNCRUSH	ED - SCRAP IVI	EIAL	1 1	D _I R		GL	
0	C.								
R	USED ANTIFREEZE	*				L			
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					1	١.	1		
	USED OIL MANAGEMENT IS DEFINED IN 1	THE CODE OF FEDERA	L REGULATIONS IN T	HE FOLLO	WING SECTIONS	:			
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								8	
	14. Special Handling instructions and Additional Information							8	
	15. GENERATOR'S CERTIFICATION: I hereby declare that labeled, and are in all respects in proper condition for transp	the contents of this consignment out by highway according interna	t are fully and accurately describational and national government	bed above by protection by the transfer of the	oper shipping name and d applicable state regula	l are class tions.	sified, packed, marke	d, and	
		-							
				<i>—</i>			Month Day	y Year	
	Printed/Typed Name		Signature	DIN	18		l i l i	1 1	
Ţ	16. Transporter 1 Acknowledgement of Receipt of Majerials	ine	10	100			Dat	е	
TRANSP	Printed/Typed Name	. C.	Signature				Month Da	y Year	
SP	Terry Du	ingway S.	Lem	LUM	uly of		Dat	> 7/9	
ORT	17. Transporter 2 Acknowledgement of Regeipt of Materials Printed/Typed Name		Signature				Month Da		
ER		×	E		0.00				
Ė	18. Discrepancy Indication Space								
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L	19. Designated Facility Owner or Operator: Certification of r	receipt of materials covered by the	nis manifest excent as noted in	item 18	,				
Y	19. Designated Facility Owner or Operator: Certification of the Printed/Typed Name	eceipt of materials covered by the	Signature 2		<u> </u>		Month Da	y Year	
	Ricky STI	//	Ricke	15	Till		11011	51919	
_)					

ATT 6-18 17 Ru

Searle PETROLEUM COMPANY

BOX A SECTION 3 COUNCIL BLUFFS, IOWA 51502
Phone: 712-323-2441

July 12, 1993

Mr. John S. McCollister McCollister & Company 2200 South Ave. P.O. Box 587 Council Bluffs, Iowa 51502

Dear Mr. McCollister:

This is to inform you of the disposition of United Parcel's waste drain oil.

United Parcel's waste oil is used for energy recovery.

When you deliver the waste cil, it is first screened for halogens. If the oil exceeds 1,000 ppm of halogens it is rejected, and sent to a hazardous waste facility.

If the oil passes the halogen test, it is accepted and put into a 200,000 gallon tank. When full, this tank is checked by a laboratory to be certified as "spec oil."

The "spec oil" is then mixed with virgin #6 fuel oil for sale to high BTU industrial burners.

Procedures are followed to assure that all regulations are met.

Sincerely, Gary Bills

GLB/jmf



"LUBRICATE - DON'T SPECULATE"

ATTACHMENT 7

UNITED PARCEL SERVICE DAKOTA DISTRICT 1997

CENTER	T	JANUAR'	Y		FEBRUAR	Y			MARCH				TR. TOTA	
	NEW	USED	FILTERS	NEW	USED	FILTERS		<u>NEW</u>	USED	<u>FILTERS</u>	NEW		USED	FILTERS
Aberdeen	-	-	-	-	-	1-30 UN		-	-	-		-	-	1-30 UN
Bismarck	115	77	1-30 UN	-	-	-		-	-	-	11	15	77	1-30 UN
Bison	 -	-	-	-	-	-		-	-	-		-	-	-
Brookings	105	-	- 1	-	-	-		-	-	-	10			
Devil's Lake	110	-	-	-	-	-		-	-		1	10	-	-
Dickinson	-	-	-	-	-	-	L	-	-	<u> </u>		-	-	
Fargo	320	-	2-55 un	165	520	1-55 un		185	-	1-55 un		70	520	4-55 un
Grand Forks	110	-	1-30 un	-	-	-	L	150	-	1-30 un	26	30		2-30 un
Huron	-	-	-	-	-	-		-	-	-		-	-	
Jamestown	-	-	-	-	_	-	L	112	73	1-30 un		12	73	1-30 un
Minot	125	75	-	-	-	-	L	-	-	-		25	75	
Mitchell	-	-	-	105	97	1-30 un	L	-			10	05	97	1-30 un
Mobridge	-	-	-	-	-	-		-	-	-		-	-	
Pierre	140	120	1-30 un	-	-	-		-		-		40	120	1-30 un
Rapid City	-	-	-	110	75	-	L	-	-	-		10	75	 -
Rugby	110	-	-	-	-	-	L	-	-	-		10	-	
Sioux Falls	250	240	1-55 un	250	230	1-55 un	L	285	250	1-55 un		85	720	3-55 un
So. Falls Airport	-	55	-	-	40	1-30 un	L	55	-	-	5	55	95	1-30 un
Sturgis	-	-	-	-	-	-	L	-	-	-		-	-	 -
Vermillion	-	-	-	-	-	-	L	130	95	-	1:	30	95	
Washburn	-	-	-	-	-	-	L	-	-	-		-	-	
Watertown	-	-	-	-	-	-	L	110	-	1-30 un	1	10	-	1-30 un
Williston	-	-	-	-	-	-	L	-	-	-		-		
Winner		-	-	65	55	1-30 un	L	<u> </u>	-	<u> </u>	- 6	35	55	1-30 un
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TOTALS	1385	567	3-30 un	695	1017	4-30 un	+	1027	418	3-30 un	31	07	2002	10-30 un
TOTALO	1000	+	3-55 un			2-55 un	I			2-55 un				7-55 un

UNITED PARCEL SERVICE DAKOTA DISTRICT 1997

CENTER	T	APRIL	T		MAY			JUNE		C	TR. TOTA	
OLIVILIA	NEW	USED	FILTERS	NEW	USED	FILTERS	NEW	USED	<u>FILTERS</u>	NEW	USED	FILTERS
Aberdeen	-		-	-	75	-	-	-	-	-	75	-
Bismarck	-	-	-	100	80	-	-	-	-	100	80	-
Bison	-	-	-	-	-	-	-	-	-		-	-
Brookings	-	-	-	-	-	-	-	-	-	-	-	-
Devil's Lake	-	-	-	-	-	-	-	-	-	-	-	-
Dickinson	107	65	1-30 un	-	-	-	-	-	-	107	65	1-30 un
Fargo	-	-	- 1	365	320	2-55 un	140	327	1-55 un	505	647	3-55 un
Grand Forks	-	-	- 1	-	-	-	-	-		-	-	
Huron	-	-	- 1	55	50	-	-	-	-	55	50	-
Jamestown	-	-	- 1	-	-	-	-	-	-	-		-
Minot	 -	-	- 1	-	-	-	-	-	-		-	-
Mitchell	—	-	- 1	-	-	-	-	-			<u> </u>	
Mobridge	55	40	1-30 un	-	-	-	-	-	-	55	40	1-30 un
Pierre	-	-	-	-	-	-	-	-	-	-	-	-
Rapid City	-	-	-	205	140	2-30 un	-	-	-	205	140	2-30 un
Rugby	-	-	-	-	-	-	-	-	-		-	-
Sioux Falls	 	-	- 1	510	480	2-55 un	260	250	1-55 un	770	730	3-55 un
So. Falls Airport		 -	-	-	30	-	-	-	-	-	30	
Sturgis	-	-	-	-	-	-	-	-	-		-	
Vermillion	-	-	-	-	-	-	-	-	-	-	-	-
Washburn	 -	-	-	-	-	-	-	-	-	-	-	
Watertown	-	-	-	-	-	-	-		-	-	-	-
Williston	110	150	1-30 un	-	-	-	-	-	-	110	150	1-30 un
Winner												
							-	-		-	-	
TOTALS	272	255	3-30 un	1235	1175	2-30 un	400	577	+	1907	2007	5-30 un
TOTALS	212	200	0-00 un	1200	+	4-55 un			2-55 un			6-55 un

478-74

UNITED PARCEL SERVICE DAKOTA DISTRICT 1997

CENTER	٦		JULY		7		AUGUS 1		S	EPTEMB			Q	TR. TOTAL	LS
		NEW	USED	FILTERS		NEW	<u>USED</u>	FILTERS	<u>NEW</u>	<u>USED</u>	FILTERS		<u>NEW</u>	<u>USED</u>	<u>FILTERS</u>
Aberdeen	\neg	-	-	-	1	125	75	1-30 un					125	75	1-30 UN
Bismarck		-	-	-		3			98	95	1-30 un		98	95	1-30 UN
Bison	\neg		-	-											
Brookings		-	-	-		110	80	1-30 un					110		1-30 UN
Devil's Lake	\Box	100	100·	1-30 un									100		1-30 UN
Dickinson		-	-	-				8	87	90			87	90	
Fargo		95	-	-		190		1-30/1-55	115	475	1-55 un		400	475	1-30/2-55
Grand Forks		-	-	-		115	-	1-30 un					115		1-30 UN
Huron		-	-	-	1							\perp			
Jamestown		-	-	-	1				110	85	1-30 un		110		1-30 UN
Minot		110	70	1-30 un							<u> </u>		110		1-30 UN
Mitchell	T	134	85	-					-	-	1-30 un		134		1-30 UN
Mobridge	T	55	80	-									55	80	
Pierre	T	110	100	1-30 un									110		1-30 UN
Rapid City	T	55	-	-	I				135	125	1-30 un		190	125	1-30 UN
Rugby	T	-	-	-	I	55		-					55		
Sioux Falls	T	81	230	1-55 un	Ι	260	240	1-55 un	375	280	1-55 un		716		3-55 UN
So. Falls Airport	T	55	25	-	I								55	25	
Sturgis	T	110	100	-									110	100	
Vermillion	T	-	-	-	1										
Washburn	T	-	-	-	I										
Watertown	T	110	250	-	Ι								110	250	
Williston	T	-	-	-	I										
Winner	I	55	100	1-30 un									55	100	1-30 UN
	I														
	I				I										
TOTALS	I	1070	1140	4-30 un	I	855		4-30 un	920		4-30 un	I	2845		12-30 UN
				1-55 un	I			2-55 un			2-55 un	T			5-55 UN

UNITED PARCEL SERVICE DAKOTA DISTRICT

1997

CENTER		СТОВЕ			OVEMB		The second secon	ECEMB	WITH THE PARTY OF		R. TOT		-	D TOT	THE RESIDENCE OF THE PARTY OF T
	NEW	USED	FILTERS	<u>NEW</u>	USED	<u>FILTERS</u>	NEW	USED	FILTERS	NEW	USED	<u>FILTERS</u>	NEW		FILTERS
Aberdeen													125		2-30 UN
Bismarck													313	252	2-30 UN
Bison															
Brookings													215		1-30 UN
Devil's Lake													210		1-30 UN
Dickinson							0						194		1-30 UN
Fargo	205		1-30/1-55	165		1-55 UN	145		1-55 UN	515		3-55 UN	2090		1-30/12-55
Grand Forks				105	150					105	150		480		3-30 UN
Huron													55	50	
Jamestown													222		2-30 UN
Minot				110	90	1-30 UN				110	90	1-30 UN	345		2-30 UN
Mitchell													239		2-30 UN
Mobridge													110		1-30 UN
Pierre				110	40					110	40		360		2-30 UN
Rapid City				55		**				55			560	340	3-30 UN
Rugby													165		
Sioux Falls	260	250	1-55 un	270	240	1-55 UN		55	1-30 UN	530		1-30/2-55	2801		1-30/11-55
So. Falls Airport	55	30								55	30		165		1-30 UN
Sturgis				110					141	110			220	100	
Vermillion	110									110			240	95	
Washburn			=												
Watertown	105		1-30 un							105		1-30 UN	325		2-30 UN
Williston				125		1-30 UN				125		1-30 UN	235		2-30 UN
Winner				110	30	1-30 UN				110	30	1-30 UN	230	185	3-30 UN
	1			1100	007	0.001101	115		4 00 101	00.40	4000	5 00 1111	0000	0040	141.00.00
	·			1160		3-30 UN	145	55	1-30 UN	2040	1322	5-30 UN	9899	8016	32-30 UN
TOTALS	735		2-30 un			2-55 UN			1-55 UN			5-55 UN			23-55 UN
			2-55 un												

Received ok archived ok W/WRAP IAD991286014

DEC 1 0 1999

MEMORANDUM

SUBJECT: Transmittal of Inspection Report -RCRA

FROM: Betty Berry, Branch Chief

ARCM/ENSV

TO: Jo Ann Heiman, Branch Manager

RESP/ARTD

This memorandum transmits the following inspection report conducted by the Environmental Services Division:

Type: CEI	Inspection Date: 10/28/99
Facility Name: Sunshine Transportation System, Inc.	Facility I.D. Number: IAD000670414
Address: 2200 South Avenue Council Bluffs, Iowa 51501	Activity Number: TAD 991286014
Facility Activity: Used oil transporter.	SIC Code: 2992
NOV/NOPF Issued? No Potential SNC? No	
Environmental Justice: Was the inspection conducted in a potential EJ area	? No
Multimedia: Screening checklist completed? No (Or: Level C multimedia	a inspection completed involving Air & RCRA.) No
Small Business Regulatory Enforcement Fairness Act (SBREFA): Yes	
Preliminary Findings: No violations noted.	
Comments:	*

Attachments

R.McKiddy:dl:12/03/99

ARCM

ARCM for BB

REPORT OF RCRA COMPLIANCE INSPECTION

At: Sunshine Transportation System, Inc. 2200 South Avenue Council Bluffs, Iowa 51501 Tel: (712) 322-4038 EPA ID No.: IAD000670414

On: October 28, 1999

By: U.S. Environmental Protection Agency Region VII Environmental Services Division

INTRODUCTION

At the request of The Air, RCRA and Toxics Division (ARTD), a RCRA Compliance Evaluation Inspection (CEI) was performed at Sunshine Transportation System, Inc., in Council Bluffs, Iowa, on October 28, 1999. The CEI was conducted under the authority of Section 3007 of the Resource Conservation and Recovery Act (RCRA), as amended. This narrative report and attachments present the results of the CEI.

PARTICIPANTS

Sunshine Transportation Systems, Inc.(Sunshine)
Mr. Stephen J. McCollister, President, McCollister & Company
Mr. Michael L. Pyle, Vice President/Controller, McCollister & Company

U. S. Environmental Protection Agency (EPA) Mr. Richard N. McKiddy, Civil Investigator

INSPECTION PROCEDURE

Upon arrival at McCollister & Company, I contacted Mr. Michael L. Pyle, the Vice President and Controller. I presented my identification to Mr. Pyle and advised him that I was at the facility to conduct a CEI of Sunshine Transportation System, Inc., which reported as a transporter of used oil with offices at the address. Mr. Pyle confirmed that Sunshine Transportation operates from the location and is a separate corporation owned by the same shareholders in McCollister & Company. Mr. Pyle also stated that he operates Sunshine Transportation System from his office in McCollister & Company. I discussed the confidentiality of business information with Mr. Pyle. Mr. Pyle did not request confidentiality of business information and signed the Notice of Confidentiality to so indicate (Attachment 1). At the conclusion of the inspection, Mr. Pyle was presented with a Receipt for Documents and Samples, which he signed acknowledging receipt of the original (Attachment 2).

The CEI consisted of a discussion of operations, wastes generated, waste management practices, a review of pertinent documents and a visual inspection of the facility.

FACILITY DESCRIPTION

Sunshine Transportation System, Inc., is a transporter and marketer of used oil. Mr. Michael Pyle, Vice President and Controller of McCollister & Company, located at the same address, told me that Sunshine is owned by McCollister & Company, but is a separate entity. The same share holders of McCollister & Company also own Sunshine.

Sunshine has one contract employee. The contract employee operates a specially-equipped truck that picks up used oil and spent oil filters in several states and delivers new lubrication products to customers as well.

The one employee works a five day week.

Sunshine was inspected on November 28, 1994. The inspection was a flood screening inspection. The facility has not had a CEI prior to the current inspection.

FINDINGS AND OBSERVATIONS

My pre-inspection directions were to see if the facility is complying with generator and used oil transporter requirements.

Sunshine Transportation System, Inc., is owned as a separate corporation by McCollister & Company.

McCollister & Company is a compounder of petroleum and lubrication products, such as motor oils, gear oils and other lubricants. According to a company brochure, McCollister is a Midwest agricultural lubricant business. The company employs approximately 47 employees, operates eight tractors and 72 trailers at six company owned or operated sites. McCollister delivers product to a 10 state, 250,000 square mile service area. The McCollister firm has 1.1 million gallons of diked storage, with dedicated tanks for major product lines. McCollister serves approximately 2,500 customers. The company's production facilities and offices occupy three buildings and 53,000 square feet. A company brochure, attached to this report (Attachment 3), describes McCollister & Company in more detail.

McCollister & Company applied for an EPA Pollution Prevention By and For Small Business Grant Program in 1990. The company was one of seventeen small businesses awarded grants. McCollister's grant was called "Total Lubricant Control System for Recycling Used Lubricants".

Sunshine Transportation System, Inc., was formed after McCollister and UPS (United Parcel Service) agreed to manage waste oils in Missouri and Iowa.

McCollister also visited UPS facilities in Nebraska, Kansas and South Dakota and conducted surveys of the waste oil handling procedures.

McCollister modified an existing waste oil transport vehicle to accommodate the simultaneous delivery of new lubricants and the collection of waste oil. To ensure that contamination of new product and waste product did not occur, the resulting vehicle was compartmentalized with dual pumps, meters, hoses and assemblies. The modified transport vehicle has four compartments: two 2,500 gallon compartments; one 2,200 gallon compartment (dedicated to waste oil); and one 1,300 gallon compartment. Each compartment is modified to have its own segregated load/unload valve and adaptor.

Currently, according to Mr. Pyle, Sunshine operates one diesel tractor with a 53 foot trailer, compartmentalized for new petroleum product, used oil, and spent antifreeze. Spent oil filters are also collected and contained in open-top drums.

The truck departs on Monday morning from the Council Bluffs (McCollister) facility and, typically, makes sixteen to eighteen stops at customer facilities, returning late Thursday or Friday. The facilities are in a five state region and all are UPS facilities.

Mr. Pyle told me that the used oil is not removed from the truck until final delivery. No storage of used oil occurs at the McCollister facility. It remains on the truck and is delivered to Searle Petroleum, 1701 South 3rd Street, Council Bluffs, Iowa (EPA ID number IAD984591032).

Spent filters also remain on the truck and are taken to Filter Recycling, 315 Lake Street, Cherokee, Iowa (EPA ID number IAR000004457).

Mr. Pyle told me that Searle uses the used oil for production of asphalt and possibly markets some of it to other burners of used oil.

Mr. Stephen J. McCollister, President of McCollister & Company, provided me with copies of letters and other documents pertaining to the EPA grant and the method of handling used oil collected from its customers (Attachment 4)..

Used oil, spent antifreeze and spent oil filter collection is documented on Non Hazardous Manifests. I obtained a copy of a blank McCollister & Company manifest (Attachment 5).

McCollister sends an invoice, with several manifests, attached to Searle for payment. Searle purchases the used oil for fifteen cents a gallon. Mr. McCollister provided me with an invoice copy dated October 20, 1999, accompanied by a weigh ticket copy and copies of fourteen manifests for a shipment of used oil to Searle Petroleum. The copies are attached to this report (Attachment 6).

Mr. Pyle told me that each load of used oil taken to Searle is screened for halogens at the

destination and analyzed before it is accepted by Searle. If the used oil would exceed 1,000 ppm of halogens, it would be rejected and sent to a hazardous waste facility. This has never happened. If the oil is accepted it is put into a 200,00 gallon tank. When the tank is full, the tank's contents is checked by a laboratory to be certified as "spec oil". The spec oil is then mixed with virgin #6 fuel oil for sale to high Btu industrial burners.

This procedure is documented in a letter from Searle Petroleum Company to McCollister & Company, dated July 12, 1993. A copy of the letter was obtained and is attached to this report (Attachment 7).

McCollister (Sunshine) keeps detailed records, by district, for its UPS customers. I obtained a copy of a 1997 UPS Dakota District (North and South Dakota) report. The report contains the names of each of the UPS facilities serviced during each month of 1997, the total new lubricants delivered, the total used oil picked up and the total spent filters (Crushed (CR) and Uncrushed (UN)) in gallons, picked up. The reports are done each quarter and the fourth quarter report shows the totals for the year.

The randomly selected report, described above, is attached to this report (Attachment 8).

Sunshine is not a generator of used oil. The truck used to pick up used oil and spent filters and deliver new lubrication products is contract serviced. Sunshine is not regulated under Subpart C of Part 279 (standards for Generators of Used Oil).

Sunshine is not a processor or re-refiner of used oil and therefore not subject to Subpart F of Part 279.

Sunshine is not a burner of used oil and is not subject to Subpart G of Part 279.

Sunshine does not use used oil as a dust depressant and does not dispose of used oil other than by recycling, therefore is not subject to Subpart I of Part 279.

Sunshine is subject to regulation as a transporter (Subpart E of Part 279). Sunshine appears to be in compliance with the provisions of 40 CFR 279.43(a) (1 through 5).

Sunshine is not a generator of hazardous waste.

Richard N. McKiddy, Civil Investigator NOWCC/SEE Date: Dec 7 1999

ATTACHMENTS

1 - EPA Confidentiality Notice (1 page)

2 - Receipt for Documents and Samples (1 page)

ATTACHMENTS (Continued - Sunshine Transportation System, Inc.)

- 3 Company Brochure McCollister & Company (Parent of Sunshine Transportation (3 pages)
- 4 Correspondence from EPA to McCollister & Co., re: Grant (7 pages)
- 5 Non-Hazardous Manifest (Blank) McCollister & Company (6 pages)
- 6 Invoice/Weigh Tickets/Manifests (17 pages)
- 7 Letter Searle Petroleum Company to McCollister & C Used Oil Testing Procedure (1 page)
- 8 Annual Report of Used Oil/Filters 1997 (4 pages)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY CONFIDENTIALITY NOTICE 10-28-99

Facility Name Junchine Adminostation
Facility Address 2200 South Gree Commed bluff In 5152
Inspector (print) RICHARD W. MEKOON Ruhund M-MEKADY
U.S.EPA, Region VII, ENSV Division, 25 Funston Road, Kansas City, KS 66115 Date 90 N 57457 66 0 0 7 28 1999
The United States Environmental Protection Agency (EPA) is obligated, under the Freedom of Information Act, to release information collected during inspections to persons who submit requests for that information. The Freedom of Information Act does, however, have provisions that allow EPA to withhold certain confidential business information from public disclosure. To claim protection for information gathered during this inspection you must request that the information be held CONFIDENTIAL and substantiate your claim in writing by demonstrating that the information meets the requirements in 40 CFR 2, Subpart B. The following criteria in Subpart B must be met:
 Your company has taken measures to protect the confidentiality of the information, and it intends to continue to take such measures.
2. No statute specifically requires disclosure of the information.
3. Disclosure of the information would cause substantial harm to your company's competitive position.
Information that you claim confidential will be held as such pending a determination of applicability by EPA.
I have received this Notice and DO NOT want to make a claim of confidentiality at this time.
Facility Representative Provided Notice (print) Signature/Date Michael L. Pyle Michael 19/28/99
*
I have received this Notice and DO want to make a claim of confidentiality.
Facility Representative Provided Notice (print) Signature/Date
nformation for which confidential treatment is requested:

ATTACHMENT !

(Rev: 4/15/98)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY RECEIPT FOR DOCUMENTS AND SAMPLES

Facility Name
Dunshine Genego etaleon
Facility Address 2200 South Cese Council Bluffs In 51802
Documents Collected? YES (list below) NO
Samples Collected? YES (list below) NO Split Samples: YES NO
Documents/Samples were: 1)Received no charge 2)Borrowed 3)Purchased
Amount Paid: \$ Method: Cash Voucher To Be Billed
The documents and samples described below were collected in connection with the administration and enforcement of the applicable statute under which the information is obtained.
Receipt for the document(s) and/or sample(s) described below is hereby acknowledged:
- non Hayardous Waste manifet Mª Collister & Courseny
(6 page - multi-color NCB- Form).
2 - Impores manifold for period in argust Sapt + Det. 1998
for and and sout fitte (17 pages)
3 - Mon Hayardows Wate Manifol (Blank) (6 pages
multid-exton NCR Form).
4 - Monthly/annual Resast for one of Sunhine Transportation
UV5 facility customers (1997). (3/mges)
5 - Letter, US FPA To Mcollister x & alt sometime in 1990 -
Ref. Grant for Gelot program (6 pages)
6 - Letter - Scarce fetracion & ttg. 7/12993, Res:
(esting of used oil received from Duratine ((prage)
7- Brochire Ma Collecter Les overwie of Company
(3 pages).
Facility Representative (print) Signature/Date
Michael L. Ryle Michael 1/28/99
Inspector (print) Signature/Date Signature/Date Signature/Date Signature/Date
U.S.EPA, Region VII, ENSV Division, 25 Funston Road, Kansas City, KS 66115
(rev:1/20/93)

ATTACHMENT 2

LUBES-n

Lubricants Eartland

GREASES



Steve, (left) and John S. McCollister, in the Iowa company's quality control laboratory.

BY DAVID MCFALL

erosene is mostly a memory now on the bountiful farms of Iowa. But in the early '30s, when John M. McCollister and his friends organized a company to distribute kerosene to other farmers and attempt to reduce its very high cost, it was an essential product. When kerosene tank cars arrived, farmers lined up for blocks to buy it.

Adding agricultural lubricants to the kerosene business was a natural—the first of a half-dozen redirections over 60 years. Today, five McCollister family members are still involved in the business. John Y., son of the founder, is chairman; his brother Howard is senior advisor; and grandsons John S., Steve and Bruce are president, executive v.p. and regional manager.

Almost from its beginning McCollister & Co. has been a factor in the Midwest agricultural lubricant business. Today it has 47 employees, eight tractors and 72 trailers located at six company

owned or operated sites, delivering product to every corner of its 250,000 square mile, 10 state service area. It has 1.1 million gallons of diked storage, with dedicated tanks for major product lines. Its production facilities and offices occupy three buildings and 53,000 square feet.

"With 2,500 customers, our base is wide both in geographic area and focus," Steve McCollister told Lubes'n'Greases. "No single customer represents more than 3 or 4 percent of our annual volume of nearly 4 million gallons."

And John S. McCollister pointed out, "Our company has changed a lot over the years. We know we can't stop now because if you don't change you die quickly. We know how to change and don't fear it."

CHANGE IS A CONSTANT

Early on, after entering the grease market, the company developed the Comet grease-gun filler, revolutionizing the use of grease on Midwestern farms. It was

ATTACHMENT 3



one of the first companies in the region to compound heavy-duty lubricants, and later the first to market a multigrade motor oil, an SAE 5W-20 in the winter of 1950.

Staying with its roots, it became one of the first Midwest companies to develop and offer custom fluid for all tractor transmissions and hydraulic systems. By the mid-'50s the company was selling about 8 million pounds of lubricating greases and a third of a million gallons of fluid lubricants; at the decade's end annual fluid lubricant sales had increased to the 800,000 gallon range.

In the '60s and '70s, the private brand business became more important, leading McCollister & Co. to purchase Hyde Oil in Pipestone, Minn. Custom packaging operations supplemented McCollister's own brands, while the grease business was sold.

A million-dollar barrel reconditioning plant (for 15-, 30- and 55-gallon steel containers) opened in 1981 and was upgraded a decade later. Now among the larger container recyclers in the Midwest, it reconditions 850 barrels daily, 20 percent for its own use and the rest for customers.

But you can't win 'em all. Until the 1960s, John S. McCollister noted, "Sixty percent of our business was selling our product to farm implement dealers. In just two years we lost nearly all of that business." It dried up like the dust bowl because, as John Y. pointed out, "OEMs [original equipment manufacturers] started conditioning warranties on the use of partnumbered productsincluding lubricants." The issue of "genuine oils" today continues to haunt lube marketers in the heavy-duty and agricultural arenas.

But there were far more winners than losers as the turbulent '90s came into view.

KEEP ON INNOVATING

Howard McCollister said, "One of the greatest overall

advancements for our size business is affordable technical capability. What only the majors could install 20 years ago we can now—almost—match in our lab." That's thanks to a quarter-million dollar upgrade in 1995 and an expanded battery of tests that can be done on-site.

For manufacturing, the plant's quality control program is based on samples taken from the production line at multiple points and analyzed immediately in the laboratory. Any variation from strict production standards is promptly corrected.

Howard (left) and John Y. McCollister, sons of John M., the company founder (above left).



PROUD TO SERVE

John Y. McCollister served three terms in the U.S. House of Representatives and narrowly lost a race for the U.S. Senate in 1976. His sons keep the tradition alive in the Omaha/Council Bluffs area: John S. is an elected member of the Utilities District Board; Steve an elected official of the County Board of Commissioners.

Howard served as ninth president (from 1964–66) of the Independent Oil Compounders Assn., predecessor to today's Independent Lubricant Manufacturers Association. John S. has served on ILMA's board and chaired its government affairs committee. Steve was president of the group from 1982 to 1984.

Steve is particularly proud of his role in helping to turn ILMA from primarily a social focus towards professionalism, by creating industry committees and bolstering its government affairs

activities. ILMA today is an influential trade association with many highly regarded programs, while retaining its ability to bring lube blenders and their suppliers together.

LUBES'N'GREASES

ATT3-2

According to Steve McCollister, "We've upgraded our software to get 100 percent batch control and lot traceability."

But that may not be enough, he acknowledged. "While we're not ISO certified, we've already begun the process to go beyond ISO, toward the QS certification process which the auto companies use. We've already undertaken half a dozen steps to be in line with QS. We've got QS capability and if our customers call for it we'll become certified. To date only two customers have brought it up."

The environmental needs of lube users have also provided opportunity, as shown by McCollister's "closed loop recovery," "fluid management" or, as the company prefers, "TLS" for Total Lubricant Service. Early in the decade the company contracted with a large national fleet company to deliver product and pick up waste oil at its terminals in a seven-state area. Later the contract was expanded to include used filters. "We also do [clients'] recordkeeping and their waste oil manifests," said John Y.

THE MILLENNIUM

So where is the company now? John S. stated, "Our margin percentages are unchanged from 25 years ago, but like the majors, which are going through a series of buyouts and joint ventures, we see a future need for

larger volumes and relationships with other firms, either by purchase or joint ventures."

Steve added, "We've modified our facilities to prepare for growth. We are ready to run our production line for two or even three shifts."

But where will this growth come from in a stagnating or declining industry? "We expect to do more private label packaging," said Steve. "Six months ago we started packaging for the Case-IH label."

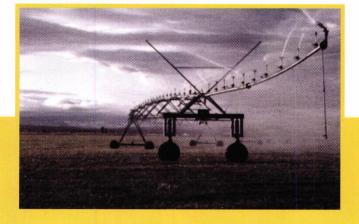
The word "commodity" is a nasty word to some in the lubricants industry. But John Y. suggested, "Brand acceptance is not as vital a factor in marketing as it used to be." And Steve offers an example: "Years ago Mobil had an office in Omaha [across the Missouri River from Council Bluffs] with nine commercial and industrial salesmen.
They're gone now.
Sophisticated—meaning larger—buyers know that we are just as capable of meeting industry specifications as anyone else."

John S. added, "We've kept some of our customers for 25 years. We work at it."

Finally, the haunting question for any family business is whether it will survive generational change. McCollister & Co. has been healthy through its first, second and third generations, and the fourth waits just offstage. There's plenty of positive history, and history has a way of repeating itself.

HIGH TECH ON THE FARM

rom 30,000 feet up, they look like frisbees strewn haphazardly by giants across the length and breadth of the Great Plains: center pivot irrigation sites, the primary and by far the most efficient irrigation technique used nationwide. Tapping into one of the great natural resources of this country—the Oglala aquifer, an ocean of pure water under the Midwest from the Dakotas to Texas center pivot irrigation opened this resource to farmers and made many of them wealthy in the process. John Y. McCollister declares, "Center pivot irrigation increased the value of Nebraska farmland from \$200 to \$2,000 an acre."



Based on Global Positioning System coordinates and computer controlled equipment, the center pivot rig rolls at adjustable speeds around a fixed center pivot and discharges either water, herbicides or fertilizer in any quantity or blend, adjusted every 100 square feet.

McCollister & Co. tapped into the center pivot irrigation market to develop a unique business which displayed both the company's rural focus as well

as its innovativeness. John Y. explains, "There are five or six center pivot irrigation OEMs. We went to each of them and worked out a plan to develop and supply both factory fill, service fill and aftermarket lubricants for the equipment. Now we are, by far, the largest supplier of lubricants for this market. It represents about 8 percent of our business."

—By David McFall

AT 3-3



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

1.)

THE ADMINISTRATOR

Mr. Stephen McCollister McCollister and Company 2200 South Avenue P.O. Box 587 Council Bluffs, Iowa 51502

Dear Mr. McCollister:

I am pleased to learn that your Research and Development proposal for pollution prevention by and for small businesses was one of the 17 selected for funding. The selection of your project is especially noteworthy in that 176 proposals were submitted, many of which were of considerable value and merit.

Preventing pollution makes good sense financially and environmentally; and recycling and reuse helps preserve our Nation's natural resources for generations to come. I personally appreciate your contribution toward these objectives.

I believe that there are thousands of ingenious small business people just waiting to demonstrate a new concept or idea to protect our environment. EPA's Pollution Prevention By and For Small Business Program could well be one vehicle to bring to light many of the pollution prevention concepts and recycling-type programs that can be demonstrated and documented for widespread use in large segments of the small business community. As you know this program is designed to stimulate these discoveries and promote their use through the cooperation and assistance of national trade associations and organizations that work with our Small Business Ombudsman on regulatory concerns affecting the small business community.

I will be following your progress during the coming year and wish you every success in your endeavor.

Sincerery, yours,

William K. Reilly

Printed on Recycled Paper

ATTACAMENT 4



Center for Hazardous Materials Research

University of Pittsburgh Applied Research Center 320 William Pitt Way - Pittsburgh, PA 15238 Fax (412) 826-5552 (412) 826-5320

November 26, 1990

Mr. Stephen McCollister McCollister and Company 2200 South Avenue, P.O. Box 587 Council Bluffs, IA 51502

Dear Mr. McCollister:

Congratulations! On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to inform you that your application for EPA's Pollution Prevention By and For Small Business Grant Program has been chosen to receive the full funding requested. We were impressed with the quality of your proposal and are eager to see your ideas developed and implemented. A complete listing of the 17 grant recipients selected for the program is enclosed for your information.

As Administrator for the grant program, the Center for Hazardous Materials Research (CHMR) at the University of Pittsburgh will soon be sending you a financial information package that will provide further details about the terms and conditions of the grant and how funds will be made available during the project. Our objective is to have all grants in place by mid-January, 1991, although the precise timing will be dependent on CHMR's receipt of funds from EPA for the program.

For your information, a total of 176 applications from across the country were submitted for the grant program. Initially, all applications were reviewed and evaluated by staff members from CHMR and EPA's Risk Reduction Engineering Laboratory. Then an Overview Committee chaired by Ms. Karen V. Brown, EPA's Asbestos and Small Business Ombudsman, and consisting of members of these organizations, as well as EPA's Office of Small and Disadvantaged Business Utilization and the American Institute for Pollution Prevention, conducted additional reviews and made the final funding selections.

If you need further information concerning your application prior to receiving the financial package, please call 1-800-334-CHMR and ask to speak with Angel Martin or me.

Again, our warmest congratulations on being chosen for the Pollution Prevention Grant Program. We look forward to watching the progress of your project.

Sincerely,

Edgar Berkey, Ph.D.

Program Administrator

WPPAM/74 C40-571 Enclosure

cc: Karen Brown, EPA Ken Stone, EPA

A subsidiary of the University of Pittsburgh Trust



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF ASBESTOS AND SMALL BUSINESS OMBUDSMAN

CONTACT: KAREN V. BROWN (703) 557-1938

FOR IMMEDIATE RELEASE

EPA ANNOUNCES RECIPIENTS OF 1991 SMALL BUSINESS POLLUTION PREVENTION GRANTS

WASHINGTON, DC, Nov. 26 - The United States Environmental Protection Agency's Office of Small and Disadvantaged Business Utilization (OSDBU) has announced the recipients for EPA's 1991 Pollution Prevention By and For Small Business Grant Program. This competitive program awards small businesses up to \$25,000 each to assist them in developing and demonstrating new pollution prevention technologies. A total of \$400,000 is available for projects to be conducted during 1991, and 17 awards have been made.

In making the announcement, Karen V. Brown, EPA's Asbestos and Small Business Ombudsman, stated, "The projects chosen for funding represent a wide range of key small business industries, and they offer the potential for demonstrating some truly innovative ideas. We feel these projects can have far-reaching benefits in furthering EPA's goal of promoting pollution prevention."

A total of 176 applications for the grant program were submitted from throughout the U.S. to the Center for Hazardous Materials Research (CHMR) at the University of Pittsburgh, who administers the program for EPA. The applications were evaluated and recommended for funding by staff members from CHMR, EPA's Risk Reduction Engineering Laboratory, OSDBU, and the American Institute for Pollution Prevention.

The 17 recipients for the 1991 Pollution Prevention By and For Small Business Grant Program and their project are given below. Applications for a second round of funding on this program will be available in mid-1991. Further information can be obtained from CHMR at 1-800-334-CHMR.

Briggs Nursery, Inc. Olympia, Washington

Reducing Resource Inputs and Eliminating Waste Discharge in a Greenhouse and Nursery

Hydro-Separation Systems, Inc. Fort Worth, Texas

Hydrocyclone Technology to Reduce Plant Pathogens in Irrigation Water

Ink Engineering Services Columbus, Ohio

Reclamation Facility for Waste Lithographic Ink

Interconnect Systems, Inc. Simi Valley, California

Lewis Engineering Services Verona, Pennsylvania

McCollister and Company Council Bluffs, Iowa

Miniature Casting Corporation Cranston, Rhode Island

Omnific International Limited Poughkeepsie, New York

Orbel Corporation
Phillipsburg, New Jersey

PAC Recycling Maryville, Tennessee

Pier-Sol, Inc. Baltimore, Maryland

STAC Corporation San Marino, California

Technical Support Services Chester, Maryland

The PROTEUS Corporation Albuquerque, New Mexico

The 3R Corporation Pittsburgh, Pennsylvania

Utility Development Corporation Livingston, New Jersey

Walton Agri-Service Upper Sandusky, Ohio Electrically Conductive Adhesives for Replacing Tin-Lead Solder Joints in Electronic Systems

Recovery of Copper, Chromium, and Arsenic from Wood Preserving Waste Streams

Total Lubricant Control System for Recycling Used Lubricants

Membrane Technology for Pollution Prevention in a Zinc Casting Tubbing Operation

The AlRosol Dispenser as a Substitute For Household Aerosol Dispensers

Eliminating Waste Discharge in a Reel-to-Reel Electroplating Shop

Recycling Valuable Components from Used Television Cable

Recovery of Dissolved Metals from Electropolish Baths to Increase Bath Life and Reduce Sludge Production

"Coldcut Process" to Eliminate Use of Hazardous Machining Fluids

Pre-Charged Vacuum Liquid Extractor and Containerization Device

Reducing Vehicle Exhaust Gas Emissions and Increasing Fuel Economy

Recycling Ink Wastes from Packaging Gravure Printing

Recycling Radiation-Curable Organic Waste by Casting Decorative and Structural Objects

In-Field, Onboard Dry Granular Herbicide Impregnation

###

Total Lubricant Control is a systematic approach to the collection, consolidation, testing, and recycling of used lubricants.

TOTAL LUBRICANT CONTROL SYSTEM FOR RECYCLING USED LUBRICANTS

McCOLLISTER AND COMPANY COUNCIL BLUFFS, IA STEPHEN McCOLLISTER, PRINCIPAL INVESTIGATOR

PROJECT DESCRIPTION

McCollister and Company's Total Lubricant Control (TLC) provides a systematic approach to the collection, consolidation, testing, and recycling of used lubricants. Voluntary used oil recycling has been hindered as a result of increased scrutiny and concern for quality control to protect against improper mixing of oil with other wastes. The TLC approach provides McCollister and Company with control over the lubricants which ensures ample supply of high quality feedstock for used oil re-refiners and other beneficial reusers.

Outline of Process

A strength of the TLC plan is its ability to be measured and evaluated. The quantities of used lubricants that are recycled or reused can be documented to the gallon.

This control stems from a comprehensive collection system which includes:

- 1. Source Control correct management of the used lubricants by the generator at the generator's facility.
- 2. Collection collecting from the generator, transporting, and testing of the lubricants.
- 3. Disposition marketing the used lubricants to beneficial reusers and recyclers.
- 4. Recordkeeping tracking of used lubricants according to the preceding points.

<u>Unique Process Features</u>

The systematic nature of the TLC plan minimizes contamination concerns and the inconsistencies often associated with used oil collection.

APPLICATION

The TLC system has eliminated the uncontrolled disposal of waste oil by over 40 vendors.

The primary customer for McCollister's demonstration is United Parcel Service (UPS). The waste lubricants received are a mix of engine oils, transmission fluids, gear oils, and hydraulic fluids. UPS's prior waste lubricant management system was through numerous contractors, thus offering little control over the disposition of the lubricants.

The collected waste oil is destined to be "recovered fuel." It is primarily crank case oil from diesel engines and often contains unburned diesel fuel and carbon which enhances combustion in an industrial boiler. When properly blended with #5 heating oil, it lowers the pour point of the fuel, enhances combustion, and increases the BTU value of the fuel for the boiler.

The re-refining market for waste oils is very small. Demand for re-refined oil by commercial entities and the public is limited.

Cross Segment Uses

The TLC plan could be adapted for the collection and management of other material --such as paint or solvents -- which may not be recovered for reuse or recycling. A
systematic collection plan encourages the generator to revise their waste handling
practices towards waste segregation and minimization.

DEMONSTRATION

McCollister and Company entered into an agreement with UPS to manage waste oils at operations in Missouri and Iowa.

McCollister modified an existing waste oil transport vehicle to accomodate the simultaneous delivery of new lubricants and the collection of waste oil. It was necessary to guarantee that contamination of new product and waste product did not occur. The resulting vehicle was compartmentalized with dual pumps, meters, hoses, and assemblies. Trial and error resulted in refinements to strainer size, pumping speeds, suction pipes, and suction hoses.

The modified transport has four compartments: 2 - 2,500 gallon compartments; 1 - 2,200 gallon compartment; and 1 - 1,300 gallon compartment. The 2,200 gallon compartment is dedicated to waste oil. The common manifold in the tank area of the truck was removed so each compartment could be modified to have its own segregated load/unload valve and adaptor.

To fully understand their waste oil situation, McCollister and Company visited UPS district operations in Sioux Falls, South Dakota, Minneapolis, Minnesota, Des Moins, Iowa, Kansas City, Kansas, and Omaha, Nebraska. Through discussions with the regional managers, McCollister learned the following:

- 1. UPS in the west region, which comprises nine states in the midwest, utilizes over 40 different contractors to collect waste oil.
- 2. A systematic approach to waste oil collection does not exist at UPS.
- 3. Some UPS locations have EPA generator permits. With some of the automotive materials utilized, and under certain state jurisdictions, EPA generator permits are required.
- 4. The issue of third party liability for improper disposal is of great concern to UPS. Thus a systematic program for waste oil management is of great interest to UPS.

UPS designed a questionnaire for its service centers in the west region to better understand and document waste lubricant handling procedures and needs. McCollister compiled the data from the questionnaires and developed a routing schedule to service these locations based on monthly usages and volumes.

A pre-testing program for each site was performed. This identified any contamination problems that could then be remedied with the cooperation of site management. Waste lubricant testing was fairly extensive at some sites and included analysis for total halogens, flash point, water content, and heavy metals. It was also found that some waste oil collection tanks were outside, most were not locked, and some were open to collect rain water.

Based on this information, McCollister designed a route which served 25 facilities in 6 states, with tanks ranging from 200 - 3,000 gallons..

Collected oil was delivered to a fuel blending facility which performed further tests on the oil to determine its suitability for use as a fuel. No oil was found to contain contaminant levels which would render it hazardous, and thus inappropriate for this end-use.

PERFORMANCE RESULTS

During the demonstration project, McCollister and Company collected 26,979 gallons of waste lubricants for beneficial reuse. The Company believes that the collection of waste lubricants is most efficient when done at the time that new product is delivered to the customer.

Product Quality Variance/Conditions That Impact Performance

The quality of waste oil is variable. While McCollister could prevent contamination through training and control, the amount of (BS&W?) is variable according to location, weather, types of vehicles serviced, and local management.

In the UPS program, no waste oil was contaminated with hazardous constituents or materials that made it unusable. While rocks, water, metal washers, and dirt in the oil storage tanks cause great difficulty in handling the waste oil, they did not render the batch "off spec" or hazardous. The value of the batch was simply reduced.

An additional concern which needs to be addressed is the handling of used oil filters. Many large lube oil customers expect the waste oil vendor to collect filters, as well as the waste oil. One possibility to facilitate filter collection is to add a storage box to the undercarriage of the transport to store the plastic bags full of used, drained oil filters. However, state laws and regulations regarding used oil filters are inconsistent and complex. Minnesota, for example, considers crushed filters a hazardous waste, but not the oil. Missouri, conversely, considers waste oil hazardous, but not the filters.

Data Analysis

Cost/Benefit Analysis

While the technology for reuse and recycling is readily available, or at least known, the major limitation beneficial reuse of waste lubricants is cost. McCollister's collection cost for of waste lubricants for fuel blending is over \$.33 per gallon; this includes payment to the customer, transportation, supplies, testing, delivery to the fuel blender, and administration.

ATTET

Collecting the waste lubricants for re-refining adds \$.15 to the above costs. This covers the additional handling steps of storage, water separation, and transportation to a re-refiner.

New virgin base oils in the quality and technical range of re-refined base oils are commonly marketed for under \$1.10 per gallon. Assuming waste feedstock is delivered to a refiner for \$.48 per gallon (which does not include overhead and profit), the refiner would need to process and sell the refined oil for under \$.62 per gallon. Thus the economics for re-refining are marginal.

POLLUTION PREVENTION ASSESSMENT

Incentives

According to surveys of the lubricant market, hundreds of millions of gallons of lubricants are sold in the United States each year. Much of this oil is improperly disposed, making the potential for waste oil recovery significant.

As a fuel, used lubricating oil can substitute for virgin products safely and economically.

An organized systematic used oil collection program ensures the proper disposition of this material and helps to enhance the market for used lubricants.

Limitations

As previously discusses, cost is a major limiting factor in used oil collection, especially for the re-refining market. Presently, insufficient demand for a re-refined lubricating product has kept the market quite small. Trust and acceptance of a re-refined product, and modification to industry and government specifications to permit the use of re-refined oil must occur before the bulk of waste oil utilization shifts from a fuel end-use to a re-refining end-use.

NON HAZARDOUS MANIFEST



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NON HAZARDOUS MANIFEST



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NON HAZARDOUS MANIFEST



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INVOICE

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INVOICE DATE

10/20/1999

PAGE

2200 South Avenue • P.O. Box 587 Council Bluffs, Iowa 51502 • (712) 322-4038

SOLD TO:

SEARLE PETROLEUM 1701 SOUTH 3RD BOX A, SEC. 3 COUNCIL BLUFFS

IA 51502

SHIP TO:

SEARLE PETROLEUM 1701 SOUTH 3RD BOX A, SEC. 3 COUNCIL BLUFFS

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Thank you for your order

STATEMENT WILL BE SENT

Of all the people associated with this company, the customer is the most important.

John Y. McCollister





McCollister & Co.

DATE 8/6/99 SOLD ORDER NO.

CONSIGNED TO:

SEARLE PETROLEUM

COUNCIL BLUFFS, IA 51503

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NON HAZARDOUS MANIFEST



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ANS	Printed/Typed Name RANDY HOMAN	Sig	gnature Kandy	Llanger	/ m/		Month 1	Day Y	'ear	
POR	17. Transporter 2 Acknowledgement of Receipt of Materials		- /	1400000	SIN	<i>y</i> -		Date		
TER	Printed/Typed Name	Siç	gnature				Month [Day Y	ear	
	18. Discrepancy Indication Space			***************************************					ᅥ	
FA		*								
CIL	ge A									
Ī	19. Designated Facility Owner or Operator: Certification of rece	ipt of materials covered by this ma	nifest except as noted in iter	n 18.						
	Printed/Typed Name Thomas	Sig	inature book 1 or	Thomas		`	Month [Day Y	ear	
	CILCIOI IIION		Shuun	WI WIND	71	•		1 1	1	

4776-4

NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

	TUNIFORM 1. Generator's US EPA ID No. Manifest Document No. MANIFEST M N 10 Q 8 11 15 Q 8 Q Q Q 1 1 1 1 0 0 Of							
1	Generator's Name and Mailing Address							
	UPS CENTERCODE 56-5537 9995 WEST 69th STREET				æ			
	EDEN DRATHTE MY 552//				=			
	4. Generator's Phone (612-941-2095 EDEN FRATRIE, MN. 55344 5. Transporter 1 Company Name	6. US EPA	ID Numbe	er				
	SUNSHINE TRANSPORTATION	I _I A _I D	0.0	0 ₁ 6 ₁ 7 ₁ 0 ₁ 4	1.4			
	7. Transporter 2 Company Name	8. US EPA			1.1.1			
				<u>.</u>				
	9. Designated Facility Name and Site Address XKSearle Petroleum Filter Recycling	-						
	1701 South 3rd Street 315 Lake Street Council Bluffs, IA 51503 Cherokee, IA 51012							
	EPA #IAD984591032 EPA #IAR000004457							
	10. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	11. Conta	iners	12. Tatal	13.			
		Number	Туре	Total Quantity	Unit Wt./Vol.			
	a.			6				
G	USED ENGINE OIL			55				
GEZE	b.				GL			
E	*							
R A	USED OIL FILTERS - CRUSHED / UNCRUSHED - SCRAP METAL	1.1	D _I R	TILLI	GL			
T O	C.							
R	USED ANTIFREEZE							
	d.				+-			
		1.1		1111				
	USED OIL MANAGEMENT IS DEFINED IN THE CODE OF FEDERAL REGULATIONS IN THE FOLLOWING SECTIONS:							
	40 CFR, PART 260 TO 268, 270-271, 273 AND 279							
	14. Special Handling instructions and Additional Information							
					10			
	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shippin labeled, and are in all respects in proper condition for transport by highway according international and national government regulations and applicable s	g name and a tate regulation	are classif	ied, packed, marked	and			
	1							
			0					
	Printed/Typed Name STEVE BPNESHD Signature Description Signature Description Signature Description De			Month Day	Year			
T R	16. Transporter 1 Acknowledgement of Receipt of Materials			Date	1011			
AN	Printed/Typed Name RANDY HOMAN Signature	C	•	Month Day	Year			
S	17. Transporter 2 Acknowledgement of Receipt of Materials	ry &		100	75			
O R	Printed/Typed Name Signature			Month Day	Year			
ER				1 1				
	18. Discrepancy Indication Space							
F								
A C					-			
i l								
T	19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.			Month De	Vass			
	Printed/Typed Name Ridly STILL Ricky Students	0		Month Day	Year 9 9			
	play sill way sur	1		11 0 11 3	<u>ial</u>			

ATT 6-5

NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

	UNIFORM 1. Generator's US EPA ID No. Manifest Document No. 2. Page	_							
<u> </u>	MANIFEST C E S Q G 1 1 1 9 0 2 7 4 of								
	UPS CENTER 2535 GOMEZ AVENUE								
	4. Generator's Phone () OMAHA, NE				,				
				. US EPA ID Number I A D 0 0 0 6 7 0 4 1 4					
	7. Transporter 2 Company Name	8. US EPA	ID Numbe	r	1.1.				
	9. Designated Facility Name and Site Address		Ш		ш				
2	Searle Petroleum 1701 South 3rd Street Council Bluffs, IA 51503 EPA #IAD984591032 Filter Recycling 315 Lake Street Cherokee, IA 51012 EPA #IAR000004457								
	10. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	11. Cont	1	12. Total	13. Unit				
	a. ·	Number	Туре	Quantity	Wt./Vol.				
GE	USED ENGINE OIL	7	55	38	GL				
NE	b.								
R A	USED OIL FILTERS - CRUSHED / UNCRUSHED - SCRAP METAL		$D_{l}R$		GL				
T O	c.								
R 	USED ANTIFREEZE			1111					
	d.								
		1 1	١, ١	1 1 1 1					
	USED OIL MANAGEMENT IS DEFINED IN THE CODE OF FEDERAL REGULATIONS IN THE FOLLOWING SECTIONS:								
	40 CFR, PART 260 TO 268, 270-271, 273 AND 279								
	14. Special Handling instructions and Additional Information								
	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shippin labeled, and are in all respects in proper condition for transport by highway according international and national government regulations and applicable s			ied, packed, marked,	and				
	Pripred/Type Name // , Signature			Month Day	Year				
T	16. Transporter 1 ocknowledgement of Receipt of Materials			0902 Date	159				
TRANSPORTER	Printed/Typed Name BANDY HOWAN Signature			Month Day	Year				
SPO	17. Transporter 2 Acknowledgement of Receipt of Materials		*********	10902 Date	29				
RT	Printed/Typed Name Signature			Month Day	Year				
R	18. Discrepancy Indication Space				Щ				
F	. S. E. E. Spanis, indicator, opaco								
A C I									
L	10 Designated Excility Owner or Operator, Codification of receipt of materials accurated by this provides according to the state of the			-					
Y	19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18. Printed/Typed Name Signature			Month Day	Year				
	Kicky STIII hely Still			11.01(15	19.9				

ATT 6-6

NON HAZARDOUS MANIFEST



LOS CRAD NUMBER OF Mailing Accress UPS Center ercode 53-5770 179.5 Sedius Lane 4. Generator's Phone ILC 65: 1348-8053 Rapid City SD STOOL 3. Triencopone's Contrating Number 8. LOS EPA ID Number 8. LOS EPA ID Number 9. Designated Facility Name and Sile Address 17. Triencopone's Contrating Phone 17. Triencopone's Contrating Phone 17. Triencopone's Contrating Phone 17. South 3rd Street 18. LOS EPA III ADDRESS 18. LOS EP		UNIFORM 1. Generator's US EPA ID No. MANIFEST 2. Page Of of							
SUSHINE TRANSPORTATION 1,A,D,D,D,D,D,B,C,F,D,D,L 1,A,D,D,D,D,D,C,F,D,D,L 1,A,D,D,D,D,D,D,D,D,D,D,D,D,D,D,D,D,D,D,	ī	1. Generator's Name and Mailing Address UPS Centercode 53-5	577)					
SUSHINE TRANSPORTATION 1,A, D, D, 0, 0, 6, 7, 0, 4, 1, 4		1795 Sedivy Lane							
SUSHINE TRANSPORTATION 1,A,D,D,D,D,D,B,C,F,D,D,L 1,A,D,D,D,D,D,C,F,D,D,L 1,A,D,D,D,D,D,D,D,D,D,D,D,D,D,D,D,D,D,D,		4. Generator's Phone (665) 348-8052 Rapid City, 50 577	01						
9. Designated Facility Name and Site Address Searle Petroleum Triol South 3rd Street Council Burls, IA \$1503 Chercycke, IA \$1012 Chercycke, IA \$1000004457 Triol South 3rd Street Chercycke, IA \$10012 C						.1.4			
A SEED ENGINE OIL USED OIL FILTERS - CRUSHED / UNCRUSHED - SCRAP METAL USED OIL FILTERS - CRUSHED / UNCRUSHED - SCRAP METAL USED OIL MANAGEMENT IS DEFINED IN THE CODE OF FEDERAL REGULATIONS IN THE FOLLOWING SECTIONS: 40 CPR, PART 260 TO 268, 270-271, 273 AND 279 USED OIL MANAGEMENT IS DEFINED IN THE CODE OF FEDERAL REGULATIONS IN THE FOLLOWING SECTIONS: 40 CPR, PART 260 TO 268, 270-271, 273 AND 279 14. Special Hending instructions and Additional information 15. GENERATOR'S CERTIFICATION: In hereby decise that the contents of this consignment are buily and accurately described above by grapper shipping name and are classified, packed, marked, and thioload, and are in a life respectively in the contents of this consignment are buily and accurately described above by grapper shipping name and are classified, packed, marked, and thioload, and are in a life respectively in the contents of this consignment are buily and accurately described above by grapper shipping name and are classified, packed, marked, and thioload, and are in a life respectively. 16. Thiologophics of the contents of this consignment are buily and accurately described above by grapper shipping name and are classified, packed, marked, and thioload, and are one of an are in a life respectively. 17. Transporter 1 Advinoired-generated of Receipt of Misterials 18. Transporter 1 Advinoired-generated of Receipt of Misterials 19. Transporter 2 Advinoired-generated of Receipt of Misterials 19. Transporter 2 Advinoired-generated of Receipt of Misterials 19. Discipliancy indicated Space			8. US EPA	S EPA ID Number					
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Council Bluffs, IA 51503 Cherokee, IA 51012 EPA #IAR000004457 10. US DOT Description (Incuding Proper Shipping Name, Hazard Class, and ID Number) 11. Containers 12. Total Unit Number Type County Unit Number Type County Unit Number Type Graph Unit Num		Searle Petroleum							
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15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according international and national government regulations and applicable state regulations. PrinceCtryped Name Nonth Day Year Y		40 CFR, PART 260 TO 268, 270-271, 273 AND 279							
15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according international and national government regulations and applicable state regulations. PrinceCtryped Name Nonth Day Year Y									
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16. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name RANDY HOMAN Signature Month Day Year 17. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name A J J J F A D D G 18. Discrepancy Indication Space Signature Month Day Year A J J J S G G G G G G G G G G G G G G G G					nou, paonou, mamou,				
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16. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name RANDY HOMAN 17. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name A July FAA borg 18. Discrepancy Indication Space 19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.		Wind Market Mark		_		Year 9.9			
18. Discrepancy Indication Space 19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.	T R		RYV		101117				
18. Discrepancy Indication Space 19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.	ANS	Printed/Typed Name RANDY HOMAN Signature			Month Day	Year			
18. Discrepancy Indication Space 19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.	POR	17. Transporter 2 Acknowledgement of Receipt of Materials			Date				
18. Discrepancy Indication Space 19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.	TER	Printed/Typed Name Signature	1		Month Day	Year			
19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.	п				1 1/1/18	717			
19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.	FAC								
19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.	1					9			
	L I F X	19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.							
Art 1-7	Υ	Printed/Typed Name Signature Signature							
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7/ / / 4 /		ATT 6-7							

NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

	UNIFORM 1. Generator's US EPA ID No. Manifest Document No. of Manifest No. of Manifest No. of Officer (1997) MANIFEST			* *	-	
	1. Generator's Name and Mailing Address			A		
	1. Generator's Name and Mailing Address 4. Generator's Phone () 5. Transporter 1 Company Name				2	
	SUNSHINE TRANSPORTATION	6. US EPA		er 0 6 7 0 4	1 4	
	7. Transporter 2 Company Name	8. US EPA		er 		
	9. Designated Facility Name and Site Address Searle Petroleum 1701 South 3rd Street Council Bluffs, IA 51503 EPA #IAD984591032 Filter Recycling 315 Lake Street Cherokee, IA 51012 EPA #IAR000004457					
	10. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	11. Conta	iners Type	12. Total Quantity	13. Unit Wt./Vol.	
GEN	PSED ENGINE OIL		ı	55	GL	
E R	USED OIL FILTERS - CRUSHED / UNCRUSHED - SCRAP METAL	1 1	D₁R	1 1 1 1	GL	
A T O R	с.					
	d.					
	USED OIL MANAGEMENT IS DEFINED IN THE CODE OF FEDERAL REGULATIONS IN THE FOLLOWING S	ECTIONS	L		Щ	
	40 CFR, PART 260 TO 268, 270-271, 273 AND 279	ECTIONS.				
	14. Special Handling instructions and Additional Information				a	
	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipp labeled, and are in all respects in proper condition for transport by highway according international and national government regulations and applicable			fied, packed, marked	, and	
	Printed/Typed Name Signature			Month Day	Year	
TRAN	16. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name RANDY HOMAN Signature	***		Month Day	Year	
TRANSPORTER	17. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature	man.	1	Date Date		
E R	18. Discrepancy Adication Space			Month Day	Year 9 3	
FACI	*					
>	19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.					
T	Printed/Typed Name Ricky 57/11 Signature Ricky Still			Month Day	Year 9 9	

ATT 6-8

NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

	UNIFORM 1. Generator's US EPA ID No. MANIFEST 2. Page of							
ī	1. Generator's Name and Mailing Address		-					
	4. Generator's Phone (5. Transporter 1 Company Name SLINSHINE TRANSPORTATION	<u>Is</u>						
	SUNSHINE TRANSPORTATION	6. US EF		er 0 6 7 0 4	.1.4			
	7. Transporter 2 Company Name	8. US EP	A ID Numb	er .				
	9. Designated Facility Name and Site Address Searle Petroleum							
	T1701 South 3rd Street 315 Lake Street Council Bluffs, IA 51503 Cherokee, IA 51012 EPA #IAD984591032 EPA #IAR000004457							
	10. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		ntainers	12. Total	13. Unit			
	å /	Number	Туре	Quantity	Wt./Vol.			
- GHZHR	VSED ENGINE OIL			155	GL			
E								
A T	USED OIL FILTERS - CRUSHED / UNCRUSHED - SCRAP METAL	+++	D _I R		GL			
0 R —	USED ANTIFREEZE							
	d.							
		\perp_{\perp}						
	USED OIL MANAGEMENT IS DEFINED IN THE CODE OF FEDERAL REGULATIONS IN THE FOLLOWING	SECTIONS	5 :					
	40 CFR, PART 260 TO 268, 270-271, 273 AND 279							
	14. Special Handling instructions and Additional Information							
	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper ship labeled, and are in all respects in proper condition for transport by highway according international and national government regulations and applicable	oing name and	are classifions.	ied, packed, marked,	and			
ll	Printed/Typed Name Signature			Month Day	Year			
T	16. Transporter 1 Acknowledgement of Receipt of Materials			999 Date	99			
RAN	Printed/Typed Name PANDY HOMAN Signature	\		Month Day	Year			
S P O	17. Transporter 2 Acknowledgement of Receipt of Materials	dre	My	7 Date	12/5			
TRANSPORTER	Printed/Typed Name Signature			Month Day	Year			
\rightarrow	18. Discrepancy Indication Space	*	3					
FAC								
CLL					*			
Y F	19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.							
	Printed/Typed Name Ricky 57,11 Signature Ricky 5t.11			Month Day	Year 9 9			

ATT 6-9

NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

	TOTAL NO. 1. Generator's US EPA ID No. Manifest 2. Page 2. Page 5.					
Π	1. Generator's Name and Mailing Address	y.		e e		
	4. Generator's Phone () 5. Transporter 1 Company Name				•	
		6. US EPA				
	SUNSHINE TRANSPORTATION 7. Transporter 2 Company Name	I A D		<u> 0 6 7 0 </u> er	114	
	9. Designated Facility Name and Site Address					
	Searle Petroleum 1701 South 3rd Street Council Bluffs, IA 51503 EPA #IAD984591032 Filter Recycling 315 Lake Street Cherokee, IA 51012 EPA #IAR000004457					
	10. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	11. Conta	ainers Type	12. Total Quantity	13. Unit Wt./Vol.	
	a. \		,,	,		
G E N	SED ENGINE OIL			185	GL	
E R	LICED OU FUTEDO ODLIGHED / LINODHOLIED OODAD METAL		,			
A T O	USED OIL FILTERS - CRUSHED / UNCRUSHED - SCRAP METAL		D _I R		GL	
R -	USED ANTIFREEZE		,	1 1 1 1		
	d.					
	USED OIL MANAGEMENT IS DEFINED IN THE CODE OF FEDERAL REGULATIONS IN THE FOLLOWING SI	OTIONS				
	40 CFR, PART 260 TO 268, 270-271, 273 AND 279	ECTIONS:				
					*	
	14. Special Handling instructions and Additional Information					
				*		
	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shippin labeled, and are in all respects in proper condition for transport by highway according international and national government regulations and applicable	g name and a	are classif	fied, packed, marked	, and	
	11	Jane , ogulano				
	Printed/Typed Name Rolling Tolk 2020			Month Day	Year	
TR	16. Transporter 1 Acknowledgement of Receipt of Materials			Date		
ANSP	Printed/Typed Name PANDY HOMAN Dungwi Signature	25		Month Day	Year 9	
Ř	17. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature			Date Month Day	Year	
R	18. Discrepancy Indication Space				Щ	
FAC						
Y -	19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18. Printed/Typed Name Signature			Month Day	Year	
	Ricky ST,11 Ricky Stol			110195	199	

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NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

	UNIFORM 1. Generator's US EPA ID No. Manifest Document No. 9. 1. QQ of									
Ī	1. Generator's Name and Mailing Address			,						
	4. Generator's Phone () S Transporter 1 Company Name	6. US EP	A ID Numb	er	* 1					
	SUNSHINE TRANSPORTATION	I ₁ A ₁ D ₁ 0 ₁ 0 ₁ 0 ₁ 6 ₁ 7 ₁ 0 ₁ 4 ₁ 1 ₁ 4								
	7. Transporter 2 Company Name	8. US EP	A ID Numb	er ! ! ! ! !	, ,					
	9. Designated Facility Name and Site Address Searle Petroleum Filter Recycling									
	\(\sqrt{1701 South 3rd Street} \) \(\sqrt{315 Lake Street} \) \(\cdot{Council Bluffs, IA 51503} \) \(\cdot{Cherokee, IA 51012} \) \(\cdot{EPA} #IAD984591032 \) \(\cdot{EPA} #IAR000004457 \)									
	10. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	11. Cor	tainers Type	12. Total Quantity	13. Unit Wt./Vol.					
	a. /	Number	Турс	Quantity						
GEZ	SED ENGINE OIL			.35	GL					
E R	*			r ·						
A	USED OIL FILTERS - CRUSHED / UNCRUSHED - SCRAP METAL		D _I R		GL					
O R	USED ANTIFREEZE				·					
	d.									
	USED OIL MANAGEMENT IS DEFINED IN THE CODE OF FEDERAL REGULATIONS IN THE FOLLOWING SI	CTIONS			<u></u>					
	40 CFR, PART 260 TO 268, 270-271, 273 AND 279	ECTIONS).							
	14. Special Handling instructions and Additional Information									
	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shippir labeled, and are in all respects in proper condition for transport by highway according international and national government regulations and applicable	ig name and	d are classi	fied, packed, marked	, and					
	according international government regulations and applicable	state regula	lions.							
	Printed/Typed Name Signature			Month Day	Year					
TR	16. Transporter 1 Acknowledgement of Receipt of Materials			Date	4					
TRAZOPORTUR	Printed/Typed Name Signature Signature	14.4		Month Day	Year 7 5					
POR	17. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature	7		Date						
T E R	Printed/Typed Name Signature			Month Day	Year					
_	18. Discrepancy Indication Space									
F A C -					×					
L	19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.									
Y	Printed/Typed Name Signature			Month Day	Year					
	Micky STIII Wiky Still			1/10/115	1717					

NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

	- UNIFORM 1. Generator's US EPA ID No. Manifest Document No. 2. Page				8
	1. Generator's Name and Mailing Address			6	
	11/2 2 250 1001				
	4. Generator's Phone () COULT Proceedings of the control of the country of the c	6. US EPA	ID Numbe	er	
	SUNSHINE TRANSPORTATION			0 ₁ 6 ₁ 7 ₁ 0 ₁ 4	114
	7. Transporter 2 Company Name	8. US EPA	ID Numbe	er	
	9. Designated Facility Name and Site Address Searle Petroleum Filter Recycling	Щ			
	This riceyoling 1701 South 3rd Street Council Bluffs, IA 51503 EPA #IAD984591032 EPA #IAR000004457				
	10. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	11. Conta	ainers	12.	13.
		Number	Туре	Total Quantity	Unit Wt./Vol.
,	a.				
G	ASED ENGINE OIL		١, ١	. 55	GL
GEN	b.				4 -
E R	LICED OU FUTEDS COLICHED / LINCOLICHED CODAD METAL				
A T	USED OIL FILTERS - CRUSHED / UNCRUSHED - SCRAP METAL		D _I R		GL
O R					
Ï	USED ANTIFREEZE				
	d.				
		1 1	,	* T T T T	1 1
	USED OIL MANAGEMENT IS DEFINED IN THE CODE OF FEDERAL REGULATIONS IN THE FOLLOWING SI	CTIONS:			
	40 CFR, PART 260 TO 268, 270-271, 273 AND 279				
	14. Special Handling instructions and Additional Information				2:
	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping	g name and	are classif	ied, packed, marked	, and
	labeled, and are in all respects in proper condition for transport by highway according international and national government regulations and applicable	state regulation	ons.	, ,	
	Printed/Typed Name R LL J			Month Day	Year
<u> </u>	16. Transporter 1 Acknowledgement of Receipt of Materials			0 7 2 8	177
TRANSPORTER	Printed/Typed Name RANDY HOMAN Signature			Month Day	Year
SP	Terry Danger Juny & Letwert			0928	199
OR	17. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature			Month Day	Year
ER	Timed typed reality			l l l l	l i
	18. Discrepancy Indication Space				
F					
A C I					
L	19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18.				
Ÿ	Printed/Typed Name Signature			Month Day	Year
	11,cky STIII Ricky Still			110115	1919

NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

	UNIFORM MANIFEST	Generator's US EPA ID No.	Manife Documen	est 2. Page of	-							
Ī	Generator's Name and Mailing Address	UPS	1 1 1 1 7 7 9	919 %	- •							
	,	413										
	4. Generator's Phone (Alevan	dria, m	Λ/								
	5. Transporter 1 Company Name	···· xar	CE I CAM	6	. US EPA	ID Numbe	er					
	SUNSHINE TRANSPORTATIO	N										
	7. Transporter 2 Company Name			8 	. US EPA	ID Numbe	er :					
	9. Designated Facility Name and Site Address Searle	L na				$\perp \perp \downarrow \parallel$						
	/ 1701 :	South 3rd Street	Filter Recycli 315 Lake Str	eet	U -							
		il Bluffs, IA 51503 #IAD984591032	Cherokee, IA EPA #IAR00		-							
	10. US DOT Description (Including Proper Shipping Name, Ha	zard Class, and ID Number)			11. Conta	iners	12. Total	13. Unit				
	a. /			!	Number	Туре	Quantity	Wt./Vol.				
	\bigvee						7.3					
G	OSED ENGINE OIL		***		1_1_		70	GL				
N E] b.											
R	USED OIL FILTERS - CRUSHE	D / UNCRUSHE	D - SCRAP MET	AL	1 1	D _i R	1111	GL				
T	c.											
R	USED ANTIFREEZE				1 1	,						
	d.		***************************************			-						
	USED OIL MANAGEMENT IS DEFINED IN TH	HE CODE OF FEDERAL	REGULATIONS IN THE	FOLLOWING SEC	TIONS:							
	40 CFR, PART 260 TO 268, 270-271, 273 ANI	279										
	14. Special Handling instructions and Additional Information											
	15. GENERATOR'S CERTIFICATION: I hereby declare that the	e contents of this consignment are	fully and accurately described ab	ove by proper shipping n	ame and a	re classif	ied, packed, marked	and				
	labeled, and are in all respects in proper condition for transport	by highway according internation	nal and national government regula	itions and applicable stat	e regulatio	ns.						
	,											
	Printed/Typed Name	S	ignature				Month Day	Year				
TR	16. Transporter 1 Acknowledgement of Receipt of Materials						Date					
ANG	Printed/Typed Name RANDY HOMAN	Si	ignature).			Month Day	Year				
PO	17. Transporter 2 Acknowledgement of Receipt of Materials	116	Long 2	Mrey	1		07 L Y Date					
TRANSPORTER	Printed/Typed Name	Si	ignature	00	<u> </u>		Month Day	Year				
R	18. Discrepancy Indication Space		in all				19 128	"/				
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A C												
Ĺ	19 Decimated Equility Owner or Operating On the Land	int of motorials	onitost oversities and the second				9					
Y	19. Designated Facility Owner or Operator: Certification of rece Printed/Typed Name		anifest except as noted in item 18.				Month Day	Year				
	Ricky STILL		Kicky	Still			110115	1919				

NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

	- UNIFORM 1. Generator's US EPA ID No.	Manifest 2. Page				
	MANIFEST К Р Р В А Р В Г В	2 8 19 2 0 2 2 of				
	1. Generator's Name and Mailing Address UPS-CENTERCODE 54- LENEXA TRAILER SHO 4. Generator's Phone (913-)541-3715 5. Transporter 1 Company Name LENEXA, KS. 66219)P	6. US EPA	ID Numb		н
	o. Handportor i company Hamo					1 1 1
	SUNSHINE TRANSPORTATION 7. Transporter 2 Company Name		8. US EPA		0 6 7 0	4 1 4
			1			1
	9. Designated Facility Name and Site Address Searle Petroleum	☐ Filter Recycling				
	1701 South 3rd Street Council Bluffs, IA 51503 EPA #IAD984591032	315 Lake Street Cherokee, IA 51012 EPA #IAR000004457				
	10. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		11. Cont	ainers	12. Total	13. Unit
			Number	Туре	Quantity	Wt./Vol.
— GEZERA	used engine oil				1,0,0,	GL
E						
RATO	USED OIL FILTERS - CRUSHED / UNCRUSHED - S	SCRAP METAL		D _I R		GL
R	USED ANTIFREEZE					
	d.					
	USED OIL MANAGEMENT IS DEFINED IN THE CODE OF FEDERAL REGUL	ATIONS IN THE TOLL OWNER		 		
	40 CFR, PART 260 TO 268, 270-271, 273 AND 279	ATIONS IN THE POLLOWING S	LOTIONS.			
	14. Special Handling instructions and Additional Information					
	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and labeled, and are in all respects in proper condition for transport by highway according international and nat	accurately described above by proper shippi ional government regulations and applicable	ng name and state regulation	are classi ons.	fied, packed, mark	ked, and
	Printed/Typed Name Signature 16. Transporter 1 Acknowledgement of Receipt of Materials	EL Mutchel	ب		100	4
TRA						ate ay Year
ANSP	Printed/Typed Name RANDY HOMAN Signature				,	_,
PO	17. Transporter 2 Acknowledgement of Receipt of Materials				Da	ate
O R T E R	Printed/Typed Name Signature				Month Da	ay Year
FACILI	18. Discrepancy Indication Space				a a	,
Ť	19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest exc	cept as noted in item 18.				
200	Printed/Typed Name Signature Signature	Lagt			Month Da	S99

NON HAZARDOUS MANIFEST



Lie	ease print or type (Form designed for use on elite (12-pitch ty			Manifoot										
	UNIFORM MANIFEST	1. Generator's US EPA ID No		Manifest ocument No.	2. Page				80					
I	Generator's Name and Mailing Address	•	ERCODE 53-5710											
П			WESTPORT AVE.											
П			LLS, SD 57105											
	4. Generator's Phone (605–339–3347	DIOUM IM	110, 5D 3/103											
П	5. Transporter 1 Company Name				6.	6. US EPA ID Number								
	SUNSHINE TRANSPORTATION	SUNSHINE TRANSPORTATION												
	7. Transporter 2 Company Name						ID Numbe	0 ₁ 6 ₁ 7 ₁ 0 ₁ 4	1					
						ΙI	1.1.1		111					
	9. Designated Facility Name and Site Address XX Sear	le Petroleum	☐ Filter Re	ecvelina										
	1701	South 3rd Street	315 Lak	e Street										
		ncil Bluffs, IA 51503		e, IA 51012		-								
		#IAD984591032	EPA #14	AR0000044		-								
П	10. US DOT Description (Including Proper Shipping Name, I	Hazard Class, and ID Number)				11. Conta	ainers	12. Total	13. Unit					
					N	Number	Туре	Quantity	Wt./Vol.					
	a.													
G	LIGED ENGINE OIL							A = 4						
E	USED ENGINE OIL							200	GL					
GENE	b.													
R	USED OIL FILTERS - CRUSH	ED / LINCRUSE	IED - SCDAD I	/ □ T ∧ I										
A T	c.	LD / UNUNUSI	ILD - SCHAF I	/IL IAL			$D_{l}R$		GL					
0														
R	USED ANTIFREEZE				- 1		١. ١		1 1					
	d.						\vdash \vdash							
							1 1							
	· ·					1 1	١, ١		1 1					
	USED OIL MANAGEMENT IS DEFINED IN	HE CODE OF FEDERA	AL REGULATIONS IN	THE FOLLO	WING SEC	TIONS:								
	40 CFR, PART 260 TO 268, 270-271, 273 AN	ID 279												
	14. Consider the adding in the extension and Additional Information													
	14. Special Handling instructions and Additional Information													
	15. GENERATOR'S CERTIFICATION: I hereby declare that I labeled, and are in all respects in proper condition for transport	he contents of this consignment ort by highway according interna	are fully and accurately descritional and national governmen	ibed above by pr	roper shipping na	ame and	are classif	ied, packed, marked,	and					
		, , , , ,												
			\sim		\cap	1			- 1					
	Printed Typed Name		Signature	. 6	11-	1		Month Day	Year					
١	Denvis H. SCHOT.	2/60	4ºm	44.1	Shoft	2		11005	199					
T R	16. Transporter 1 Acknowledgement of Receipt of Materials		•					Date						
N	Printed/Typed Name RANDY HOMAN	•	Signature	en				Month Day	Year					
P	17. Transporter 2 Acknowledgement of Receipt of Materials	nowy	Levy -	112	noe	7_		1000	91					
R	Printed/Typed Name	•	Signature					Date Day	Veer					
TEAZOPOETER	Timed Typed Hame		Signature					Month Day	Year					
н	18. Discrepancy Indication Space													
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1	19. Designated Facility Owner or Operator: Certification of re-	ceint of materials covered by this	s manifest except as noted in i	tem 18										
Y	Printed/Typed Name		Signature /					Month Day	Year					
	Ricky STILL	/	(1,	C	1:00			11.011.5						
	1009 0111		Juny	2	W.			TITOLUS	11					

NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

	UNIFORM 1. Generator's US EPA ID No. Manifest Document No. C E S Q G								
h	1. Generator's Name and Mailing Address UPS-CENTERCODE 53-05002								
	AIRPORT-#3 WEATHERLANE								
	SIOUX FALLS, S.D. 57105 4. Generator's Phone (605–331–4155								
	5. Transporter 1 Company Name	6. US EPA ID Number							
	SUNSHINE TRANSPORTATION 7. Transporter 2 Company Name	8. US EPA			0 4	1 4			
		1 1 1	1 1		, ,	1			
	9. Designated Facility Name and Site Address Searle Petroleum Filter Recycling		<u> </u>	L					
	1701 South 3rd Street 315 Lake Street Council Bluffs, IA 51503 Cherokee, IA 51012 EPA #IAD984591032 EPA #IAR000004457								
	10. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	11. Cont	ainers	12. Total	T	13. Unit			
	a.	Number	Туре	Quantit	<u>′</u>	Wt./Vol.			
G	USED ENGINE OIL			5	5	GL			
G E N	b.					u L			
E R A T	USED OIL FILTERS - CRUSHED / UNCRUSHED - SCRAP METAL		D₁R			GL			
0	c.								
R	USED ANTIFREEZE	١,,	١, ١		,	1			
	d.		<u> </u>						
	USED OIL MANAGEMENT IS DEFINED IN THE CODE OF FEDERAL REGULATIONS IN THE FOLLOWING ST	CTIONS	لىل						
	40 CFR, PART 260 TO 268, 270-271, 273 AND 279	ECTIONS	i						
	40 CFR, FART 200 TO 200, 270-271, 273 AND 279								
	14. Special Handling instructions and Additional Information								
	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shippin labeled, and are in all respects in proper condition for transport by highway according international and national government regulations and applicable	ig name and	are classif	ied, packed, m	arked, a	nd			
	and an an expect of proper container of manager by figure, according international and national government regulations and applicable s	state regulation	ons.						
	Printed/Typed Name Sean Eischen Signature		******************************	Month 10 6	Day 75	Year 99			
R	16. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name RANDY HOMAN Signature			Month	Date	Year_			
RANSPORTER	TO CONTROLLED TO THE TOTAL DESCRIPTION OF THE PROPERTY OF THE		7	16	RS1	99			
OR	17. Transporter 2 Acknowledgement of Seceipt of Materials	7/			Date	t			
TE	Printed/Typed Name / Signature	1		Month	Day	Year			
	18. Discrepancy Indication Space								
F									
A C									
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Y	19. Designated Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 18. Printed/Typed Name Signature								
	Printed/Typed Name Ridly STIII Signature Riky Still	2		Month	Day	Year 9			
	Ricky STILL Ricky Still ATT 6-1/2 16 Rom			1(10)1	72				
	A-16-16 Rom								
	McCollister Final Copy - White • Optional Copy - Green • Transporter Final Copy - Pink • Generator Final Copy - Blue • TSDF - Yello	ow • Generato	or - Golder	arod /		=			

NON HAZARDOUS MANIFEST



Please print or type (Form designed for use on elite (12-pitch typewriter.)

	UNIFORM	1. Generator's US EPA ID N		Manifest Document No.	2. Page				
	MANIFEST	$M_1 N_1 D_1 9_1 8_1 1_1$	5, 2, 8, 0, 5, 2		of				
	Generator's Name and Mailing Address 4. Generator's Phone (612–564–3355	820-12th	ERCODE 56-562 STREET FALLS, MN. 50						S.
	5. Transporter 1 Company Name						ID Numbe		
	SUNSHINE TRANSPORTATIO	N				A_1D	0101	₁ 0 ₁ 6 ₁ 7 ₁ 0 ₁ 4	114
	7. Transporter 2 Company Name				8. (I	US EPA	ID Numbe	er	
	9. Designated Facility Name and Site Address Searle		D 5%5	Da					$\perp \perp \downarrow$
	Searie 1701	Petroleum South 3rd Street	Filter F 315 La	Recycling ike Street		-			
	Counc	il Bluffs, IA 51503	. Cherol	kee, IA 5101		-			
	EPA # 10. US DOT Description (Including Proper Shipping Name, Ha	#IAD984591032		IAR000004		- 11. Conta		10	
	10. 03 DOT Description (including Proper Shipping Name, Ha	zard Class, and ID Number)				umber	Type	12. Total Quantity	13. Unit
	a.				, NC		туре	Quantity	Wt./Vol.
	LIGER ENGINE OF							2	
G E N	USED ENGINE OIL	***************************************		~~~				122	GL
Е	U.								
R A	USED OIL FILTERS - CRUSHE	D / UNCRUSH	HED - SCRAP	METAL		1 1.	D _I R		GL
A T O	C.								
R	USED ANTIFREEZE								
	d.		····						-
									-
	LICED OIL MANAGEMENT IS DEFINED IN TH	IE 000E 0E EEDED	AL DEGUL ATIONS II				لــــا		
	USED OIL MANAGEMENT IS DEFINED IN TH		AL REGULATIONS IN	I HE FOLL	DWING SECT	IONS:			
	40 CFR, PART 260 TO 268, 270-271, 273 ANI	279							
	14. Special Handling instructions and Additional Information								
П									
	15. GENERATOR'S CERTIFICATION: I hereby declare that the labeled, and are in all respects in proper condition for transport	contents of this consignment	nt are fully and accurately des	cribed above by p	proper shipping nar	me and a	are classif	fied, packed, marked,	and
	, , , , , , , , , , , , , , , , , , ,	_,g, accordingc	and haterial government	on regulations at	id applicable state	regulatio	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
		P (100,000 for a final colored to the same of the same	~ (<u> </u>	<u> </u>				
	Printed/Typed Name	.4 4	Signature	Du	n P			Month Day	Year
T	16. Transporter 1 Acknowledgement of Receipt of Majerials	<i>n</i> - (/	7 9 0		-		Date	
RANSPORTER	Printed/Typed Name RANDY-HOMAN		Signature		•			Month Day	Year
PO	17. Transporter 2 Acknowledgement of Regeipt of Materials	rawky S.	Len	LUS	My	ď			79
RT	Printed/Typed Name		Signature					Month Day	Year
R		*							
	18. Discrepancy Indication Space								540
F A C		·							
			• a						
1 -	19. Designated Facility Owner or Operator: Certification of rece	pt of materials covered by th	is manifest except as noted in	n item 18.					
1	Printed/Typed Name	/	Signature / L	· ·	ton			Month Day	Year
	Kicky STII		Juste	12	we			110115	71

ATT 6 - 8 17 Ruu ansporter Final Copy - Pink • Generator Final Copy - Blue

Searle PETROLEUM COMPANY

BOX A SECTION 3 COUNCIL BLUFFS, IOWA 51502 Phone: 712-323-2441

July 12, 1993

Mr. John S. McCollister McCollister & Company 2200 South Ave. P.C. Box 587 Council Bluffs, Iowa 51502

Dear Mr. McCollister:

This is to inform you of the disposition of United Parcel's waste drain oil.

United Parcel's waste oil is used for energy recovery.

When you deliver the waste oil, it is first screened for halogens. If the oil exceeds 1,000 ppm of halogens it is rejected, and sent to a hazardous waste facility.

If the oil passes the halogen test, it is accepted and put into a 200,000 gallon tank. When full, this tank is checked by a laboratory to be certified as "spec oil."

The "spec oil" is then mixed with virgin #6 fuel oil for sale to high BTU industrial burners.

Procedures are followed to assure that all regulations are met.

Sincerely, Gary Bills

GLB/jmf



"LUBRICATE - DON'T SPECULATE"

ATTACHMENT 7

UNITED PARCEL SERVICE DAKOTA DISTRICT 1997

CENTER	CENTER JANUARY		<u>F</u>	FEBRUARY						QTR. TOTALS						
	NE	N	USED	FILTERS	N	EW	USED	FILTERS		NEW	USED	FILTERS	٦	NEW	USED	FILTERS
Aberdeen		-	-	-	T	-	_	1-30 UN	T	-	-	-	7	-	-	1-30 UN
Bismarck	1	15	77	1-30 UN	Τ	-	-	-	T	-	-	- 1	٦	115	77	1-30 UN
Bison		-	-	- 1	Τ	-	-	-	T	-	-	- 1	7	-	-	-
Brookings	1	05	-	-	Τ	-	-	-	T	-	-	-	7	105	-	-
Devil's Lake	1	10	-	-	Τ	-	-	-	T	-	-	-		110	-	-
Dickinson		-	-	-	Τ	-	-	-	T	-	-	-	7	-	-	-
Fargo	3	20	-	2-55 un	Τ	165	520	1-55 un	T	185	-	1-55 un		670	520	4-55 un
Grand Forks	1	10	-	1-30 un	T	-	-	-	T	150	-	1-30 un		260	-	2-30 un
Huron		-	-	-	Τ	-	-	-	T	-	-	- 1	٦	-	-	- 1
Jamestown		-	-	-	T	-	-	-	T	112	73	1-30 un	7	112	73	1-30 un
Minot	1	25	75	- 1	T	-	-	-	T	-	-	- 1	٦	125	75	- 1
Mitchell		-	-	- 1	Τ	105	97	1-30 un	T	-	-	- 1		105	97	1-30 un
Mobridge		-	-	-	T	-	-	- 1	T	-	-	- 1	٦	-	-	- 1
Pierre	1	40	120	1-30 un	T	-	-	-	T	-	-	-	1	140	120	1-30 un
Rapid City		-	-	-	T	110	75	- 1	T	-	-	- 1	٦	110	75	-
Rugby	1	10	-	-	Τ	-	-	-	T	-	-	-		110	-	-
Sioux Falls	2	50	240	1-55 un	T	250	230	1-55 un	T	285	250	1-55 un	٦	785	720	3-55 un
So. Falls Airport		-	55	-	T	-	40	1-30 un	T	55	-	-		55	95	1-30 un
Sturgis		-	-	-	T	-	-	- 1	T	-	-	- 1	٦	-	-	-
Vermillion		-	-	- 1	Τ	-	-	-	T	130	95	-		130	95	-
Washburn		-	-	-	T	-	-	- 1	T	-	-	- 1		-	-	-
Watertown		-	-	-	Τ	-	-	-	T	110	-	1-30 un	٦	110	-	1-30 un
Williston		-	-	- 1	T	-	-	- 1	T	-	-	- 1	7	-	-	-
Winner		-	-		T	65	55	1-30 un	1	-	-	- 1	7	65	55	1-30 un
					T				1							
TOTALS	1:	385	567	3-30 un	+	695	1017	4-30 un	+	1027	418	3-30 un	4	3107	2002	10-30 un
	+			3-55 un	+	300	1017	2-55 un	+	1021	710	2-55 un	\dashv	3107	2002	7-55 un

UNITED PARCEL SERVICE DAKOTA DISTRICT 1997

CENTER		APRIL		T		MAY	Γ	٦		JUNE		٦	C	TR. TOTA	LS
	NEW	USED	FILTERS	T	NEW	USED	FILTERS	٦	NEW	USED	FILTERS	7	NEW	USED	FILTERS
Aberdeen	-	- ,	-	T	-	75	-		-	-	-	1	-	75	-
Bismarck	-	-	-	T	100	80	-		-	-	-	1	100	80	-
Bison	-	-	-	T	-	-	-	٦	-	-	-	7	-	-	-
Brookings	-	-	-	T	-	-	-	٦	-	-	- 1	1	-	-	-
Devil's Lake	-	-	-	T	-	-	-	٦	-	-	-	7	-	-	-
Dickinson	107	65	1-30 un	T	-	-	-	٦	-	-	-	1	107	65	1-30 un
Fargo	-	-	-	T	365	320	2-55 un	٦	140	327	1-55 un		505	647	3-55 un
Grand Forks	-	-	-	T	-	-	-		-	-	-	7	-	-	- 1
Huron	-	-	-	T	55	50	-		-	-	-	7	55	50	1 - 1
Jamestown	-	-	-	1	-	-	-	٦	-	-	-	7	-	-	-
Minot	-	-	-	1	-	-	-	٦	-	-	-	7	-	-	-
Mitchell	-	-	-	1	-	-	-	٦	-	-	-	7	-	-	-
Mobridge	55	40	1-30 un	1	-	-	-	7	-	-	- 1	7	55	40	1-30 un
Pierre	-	-	-	1	-	-	-	7	-	-	-	7	-	-	-
Rapid City	-	-	-	T	205	140	2-30 un	٦	-	-	- 1	1	205	140	2-30 un
Rugby	-	-	-	1	-	-	-	٦	-	-	-	1	-	-	-
Sioux Falls	-	-	-	T	510	480	2-55 un	7	260	250	1-55 un	1	770	730	3-55 un
So. Falls Airport	-	-	-	T	-	30	-	٦	-	-	-	1	-	30	-
Śturgis	-	-	-	T	-	-	-	1	-	-	- 1	7	-	-	-
Vermillion	-	-	-	T	-	-	- 1	7	-	-	-	1	-	-	-
Washburn	-		-	T	-	-	-	7	-	-	-	1	-	-	-
Watertown	-	-	-	T	-	-	-	٦	-	-	-	7	-	-	-
Williston	110	150	1-30 un	T	-	-	-		-	-	-	7	110	150	1-30 un
Winner				T				1				7			
				T				1				7			†
				T				7				7			
TOTALS	272	255	3-30 un	T	1235	1175	2-30 un	1	400	577		7	1907	2007	5-30 un
				T			4-55 un	1			2-55 un	7			6-55 un

UNITED PARCEL SERVICE DAKOTA DISTRICT

100			1250.00	
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CENTER	I		JULY		T	AUGUST SEPTEMBER		٦	QTR. TOTALS							
		NEW	<u>USED</u>	<u>FILTERS</u>	T.	NEW	<u>USED</u>	FILTERS	LTERS NEW USED FILTERS				\neg	NEW	USED	FILTERS
Aberdeen		-	-	-	T	125	75	1-30 un					\neg	125	75	1-30 UN
Bismarck		-	-	-	T					98	95	1-30 un		98		1-30 UN
Bison		-	-	-	I											
Brookings		-	-	-	T	110	80	1-30 un						110	80	1-30 UN
Devil's Lake		100	100	1-30 un	Ι								\neg	100		1-30 UN
Dickinson		-	-	-	T					87	90	-	٦	87	90	
Fargo		95	-	-	T	190		1-30/1-55		115	475	1-55 un	\exists	400	475	1-30/2-55
Grand Forks		-	-	-	T	115	-	1-30 un					٦	115		1-30 UN
Huron		-		-	T								7			
Jamestown		-	-	-	T					110	85	1-30 un	7	110	85	1-30 UN
Minot		110	70	1-30 un	T								7	110		1-30 UN
Mitchell	T	134	85	-	T					-	-	1-30 un	7	134		1-30 UN
Mobridge		55	80	-	T								7	55	80	
Pierre	T	110	100	1-30 un	Ť								7	110		1-30 UN
Rapid City	T	55	-	-	T					135	125	1-30 un	7	190		1-30 UN
Rugby	T	-	-	-	T	55	-	-					7	55		-
Sioux Falls	T	81	230	1-55 un	Ť	260	240	1-55 un		375	280	1-55 un	7	716	750	3-55 UN
So. Falls Airport	T	55	25	-	Ť							, , , ,	7	55	25	0 00 011
Sturgis	T	110	100	-	T				٦				7	110	100	
Vermillion	T	-	-	-	T								7			
Washburn	T	-	-	-	T								7			
Watertown	T	110	250	-	T								7	110	250	
Williston	T	-	-	-	T				\exists				+	.,,		
Winner	T	55	100	1-30 un	T				\exists				+	55	100	1-30 UN
	I				I											. 30 011
TOTALS	+	1070	1140	4-30 un	+	855	305	4-30 un	\dashv	920	1150	4-30 un	4	2845	2605	12-30 UN
	\dagger		1110	1-55 un	\dagger	000		2-55 un	+	920	1130	2-55 un	+	2045	∠085	5-55 UN
	丄	I		1-00 uii	L			2-33 uii				2-35 uii				5-55 UN

UNITED PARCEL SERVICE DAKOTA DISTRICT

CENTER	OCTOBER			NOVEMBER			DECEMBER			QTR. TOTALS			YTD TOTALS		
	NEW	USED	FILTERS	NEW	USED	FILTERS	NEW	USED	FILTERS			FILTERS			FILTERS
Aberdeen													125		2-30 UN
Bismarck													313		2-30 UN
Bison										†			+		2 00 011
Brookings													215	80	1-30 UN
Devil's Lake													210		1-30 UN
Dickinson			9				0						194		1-30 UN
Fargo	205		1-30/1-55	165	297	1-55 UN	145		1-55 UN	515	297	3-55 UN	2090		1-30/12-55
Grand Forks				105	150					105	150	5 55 511	480		3-30 UN
Huron										1			55	50	0 00 011
Jamestown													222		2-30 UN
Minot				110	90	1-30 UN				110	90	1-30 UN	345		2-30 UN
Mitchell													239		2-30 UN
Mobridge										1			110		1-30 UN
Pierre				110	40					110	40		360		2-30 UN
Rapid City				55						55			560	_	3-30 UN
Rugby													165	0.10	0 00 011
Sioux Falls	260	250	1-55 un	270	240	1-55 UN		55	1-30 UN	530	545	1-30/2-55	2801	2745	1-30/11-55
So. Falls Airport	55	30								55	30		165		1-30 UN
Sturgis				110						110			220	100	
Vermillion	110									110			240	95	
Washburn												,	1 - 1		
Watertown	105		1-30 un							105		1-30 UN	325	250	2-30 UN
Williston				125	140	1-30 UN				125	140	1-30 UN	235		2-30 UN
Winner				110	30	1-30 UN				110		1-30 UN	230		3-30 UN
													-50		
				1160	987	3-30 UN	145	55	1-30 UN	2040	1322	5-30 UN	9899	8016	32-30 UN
TOTALS	735		2-30 un			2-55 UN			1-55 UN			5-55 UN			23-55 UN
			2-55 un												